ENDOCRINOLOGY INDEX

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EXPLANATION OF FORMAT

The period covered by this issue of the bibliography corresponds to the same months of *Index Medicus*. The journal coverage is limited to journals covered by *Index Medicus*, but the *Endocrinology Index* contains additional subject headings that are not included in *Index Medicus*. The *Endocrinology Index* is arranged in seven sections: 1) Table of Contents; 2) Subject Section; 3) Review Section; 4) Method Section; 5) Author Section; 6) Subject Index; and 7) Author Index.

Subject Section

The Subject Section is for the reader interested in recent literature related to certain broad topics and is divided into eight categories (pituitary, thyroid, etc.). The endocrine pancreas has not been included since it is the subject of another recurring bibliography, *Diabetes Literature Index*. Each category has a preconceived hierarchical organization of subject headings. A particular citation may appear more than once if it deals with multiple topics. Each citation to an article contains the full title, first author, and journal reference. If the article is written in a foreign language, the language is indicated. If the citation is to a review article, the number of references is given.

Author Section

The Author Section provides the reader with a list of keywords or index terms assigned to each citation. Each article appears only once. The citations are arranged alphabetically according to first author and are numbered consecutively. These numbers are then used in the Author and Subject Indexes to enable the reader to identify references with ease. The complete citations (including index terms) are found but only the first three authors are listed. Foreign titles appear in the original language; these titles have been translated into English in the Subject Section. Following each citation are index terms which have been assigned to describe the contents of the article. Index terms appear in capital letters; some of these are accompanied by subheadings which appear in lower case letters. Asterisks (*) identify the index terms under which articles appear in *Index Medicus*.

Subject Index

All of the index terms assigned to the citations appearing in the bibliography are listed, followed by citation numbers which correspond to the numbers in the Author Section. The Subject Index is included for the convenience of the reader who wishes to select articles falling in categories of his own conception. For example, one who is interested in protein binding of a particular hormone could quickly find whether there were any articles dealing with this subject by determining if there were any citation numbers common to the two headings "protein binding" and the name of the specific hormone.

Author Index

The names of all authors are listed, followed by citation numbers which correspond to the numbers in the Author Section.

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ENDOCRINOLOGY INDEX

National Institute of Arthritis, Metabolism, and Digestive Diseases

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PREFACE

The *Endocrinology Index* is a bimonthly publication of the National Institute of Arthritis, Metabolism, and Digestive Diseases. This selected bibliography which is produced from the National Library of Medicine's Medical Literature Analysis and Retrieval System (MEDLARS), has been initiated to supply those scientists working in the field of endocrinology with a much needed current awareness tool and is intended to help facilitate greater integration of research and clinical efforts in this field.

Endocrinology Index was developed with the support of contract PH43-66-480 in 1966-70 to Vanderbilt University under the direction of Grant W. Liddle. The National Institute of Arthritis, Metabolism, and Digestive Diseases is most appreciative of the fine work in originally developing and editing the *Index* provided by Grant W. Liddle and Victoria Ragin Liddle and for their continuing editorial advice in making the *Endocrinology Index* a most important and necessary component of endocrinology literature within the biomedical research community.

The Secretary of the Department of Health, Education, and Welfare has determined that the publication of this periodical is necessary in the transaction of the public business required by law of this Department. Use of funds for printing this periodical has been approved by the Director of the Office of Management and Budget through April 30, 1981

Table of Contents

CATEGORY 1: PITUITARY

		Page
I.	Physical and Functional Aspects	
	Pituitary Function Tests	1
	Pituitary-Adrenal Function Tests (See CATEGORY 3: ADRENAL)	
	Pituitary Gland	1
	Pituitary Gland, Anterior	4
	Pituitary Gland, Posterior	6
	Pituitary Irradiation	7
II.	Disorders of the Pituitary Gland	
	Acromegaly	8
	Adenoma, Basophilic	8
	Adenoma, Chromophobe	8
	Adenoma, Eosinophilic	9
	Chiari-Frommel Syndrome	9
	Craniopharyngioma	9
	Diabetes Insipidus	9
	Dwarfism*	10
	Dwarfism, Pituitary	11
	Empty Sella Syndrome	11
	Froehlich's Syndrome	12
	Gigantism	12
	Hyperpituitarism*	-
	Hypopituitarism*	12
	Infantilism	12
	Nelson's Syndrome	12
	Pituitary Diseases*	12
	Pituitary Gland, Abnormalities and Injuries	-
	Pituitary Gland, Anterior, Abnormalities and Injuries	-
	Pituitary Gland, Posterior, Abnormalities and Injuries	-
	Pituitary Neoplasms*	13
	Sheehan's Syndrome	15
	Simmonds' Disease	15
III.	Pituitary Hormones, Precursors, Metabolites and Synthetic Analogs	
	Arginine Vasopressin	16
	Corticotropin (ACTH)	16
	Cosyntropin	19
	Deamino Arginine Vasopressin	19
	Follicle Stimulating Hormone (FSH)	19
	Gonadotropins*	22
	Gonadotropins, Pituitary*	22
	Luteinizing Hormone (LH), (ICSH)	23
	Lipotropins	26

*See also more specific terms

Page

III. Pituitary Hormones, Precursors, Metabolites and Synthetic Analogs (Continued)
Lysine Vasopressin 27
Menotropins 27
Melanocyte Stimulating Hormone (MSH) 27
Neurophysins 29
Oxytocics 29
Oxytocin 29
Phelypressin 30
Pituitary Hormones* 30
Pituitary Hormones, Anterior* 31
Pituitary Hormones, Posterior* 31
Pituitrin . . . . . -
Prolactin 31
Somatotropin (GH) 34
Thyrotropin (TSH) 37
Vasopressin (ADH) 38
Vasotocin 41

IV. Related Topics
Cyclofenil (F-6066) 42
Hypophysectomy 42
Lactation 42
Somatomedin (Sulfation Factor) 44

CATEGORY 2: THYROID

I. Physical and Functional Aspects
Thyroid Function Tests* 45
Basal Metabolism (See SUBJECT INDEX)
Protein Bound Iodine Test (See V. Related Topics)
Thyroid Gland 46
Thyroidectomy 49

II. Disorders of the Thyroid Gland
Cretinism 50
Goiter* 50
Goiter, Endemic 51
Goiter, Exophthalmic 51
Goiter, Nodular 52
Goiter, Substernal 52
Hyperthyroidism* 52
Hypothyroidism* 54
Myxedema 56
Thyroid Crisis 56
Thyroid Diseases* 57
Thyroid Gland, Abnormalities and Injuries . . . . . -
Thyroid Neoplasms 58
Thyroiditis 60
Thyroiditis, Lymphomatous 61

*See also more specific terms

Page

III. Thyroid Hormones, Precursors, Metabolites and Synthetic Analogs
Calcitonin (See CATEGORY 6: PARATHYROID AND BONE)
Dextrothyroxine 62
Diiodotyrosine 62
Iodotyrosine . . . . . -
Thyroglobulin 62
Thyroid Hormones* 62
Thyronine 63
Thyroxine 63
Triiodothyronine 66

IV. Thyroid Antagonists and Inhibitors
Carbimazole 69
Methimazole 69
Methylthiouracil 69
Propylthiouracil 69
Thiouracil 69
Thyroid Antagonists* 69

V. Related Topics
Exophthalmos 71
Exophthalmos Producing Substances (EPS) . . . . . -
Iodides 71
Iodine 72
Iodoproteins . . . . . -
Long-Acting Thyroid Stimulator (LATS) 72
Protein-Bound Iodine Test 73
Thyroxine Binding Protein 73

CATEGORY 3: ADRENAL

I. Physical and Functional Aspects
Adrenal Cortex 75
Adrenal Cortex Function Tests 76
Adrenal Glands 76
Adrenalectomy 79
Pituitary-Adrenal Function Tests 79

II. Disorders of the Adrenal Glands
Addison's Disease 81
Adenoma, Virilizing 81
Adrenal Cortex Abnormalities and Injuries . . . . . -
Adrenal Cortex Diseases 81
Adrenal Cortex Neoplasms 81
Adrenal Cortical Rest Tumor . . . . . -

*See also more specific terms

Page

II. Disorders of the Adrenal Glands (Continued)
- Adrenal Gland Diseases* 82
- Adrenal Gland Hyperfunction* 82
- Adrenal Gland Hypofunction* 83
- Adrenal Gland Neoplasms* 83
- Adrenal Glands, Abnormalities and Injuries 85
- Adrenogenital Syndrome 85
- Bartter's Disease 85
- Cushing's Syndrome 86
- Hyperaldosteronism 87
- Waterhouse-Friderichsen Syndrome 88

III. Adrenal Cortex Hormones, Precursors, Metabolites and Synthetic Analogs
- Adrenal Cortex Hormones* 89
- Aldosterone 91
- Aldosterone Antagonists 93
- Androgens* (See CATEGORY 4: GONADS)
- Androstanes* (See CATEGORY 4: GONADS)
- Androstenedione 93
- Androsterone 94
- Beclomethasone 94
- Betamethasone . . . . . -
- Betamethasone 17-Valerate . . . . . -
- Clobetasol 108
- Corticosterone 94
- Cortisone 95
- Dehydroepiandrosterone 96
- Desoxycorticosterone 97
- Dexamethasone 97
- Estranes* (See CATEGORY 4: GONADS)
- Estrogens* (See CATEGORY 4: GONADS)
- Estrone 98
- Etiocholanolone 99
- Fludrocortisone . . . . . -
- Flumethasone . . . . . -
- Fluocinolone Acetonide . . . . . -
- Fluocinonide . . . . . -
- Fluocortolone 108
- Fluorometholone . . . . . -
- Fluprednisolone . . . . . -
- Flurandrenolone . . . . . -
- Glucocorticoids* 100
- Hydrocortisone 101
- Hydrocortisone, Topical 104
- Hydroxycorticosteroids 104
- 11-Hydroxycorticosteroids 104
- 17-Hydroxycorticosteroids 105
- 11-Hydroxycorticosteroids, Synthetic . . . . . -
- 18-Hydroxycorticosterone 105
- 18-Hydroxydesoxycorticosterone 105
- Hydroxycorticosteroids, Synthetic . . . . . -

*See also more specific terms

Page

III. Adrenal Cortex Hormones, Precursors, Metabolites and Synthetic Analogs (Continued)

Hydroxypregnenolone 105
Hydroxyprogesterone (See CATEGORY 4: GONADS)
Kestosteroids 106
17-Ketosteroids 106
Methylprednisolone 106
Mineralocorticoids* 106
Paramethasone 108
Prednisolone 107
Prednisolone, Topical 107
Prednisone 107
Pregnanediol (See CATEGORY 4: GONADS)
Pregnanes* (See CATEGORY 4: GONADS)
Pregnanetriol . . . . . -
Pregnenes (See CATEGORY 4: GONADS)
Pregnenolone (See CATEGORY 4: GONADS)
Progesterone (See CATEGORY 4: GONADS)
Tetrahydrocortisol 107
Tetrahydrocortisone 108
Triamcinolone 108
Triamcinolone Acetonide 108

IV. Related Topics

Aminoglutethimide 109
DDD 109
Metyrapone 109
Pituitary-Adrenal System 109
Renin 109
Spironolactone 113
Transcortin 113

V. Adrenal Medulla

Adrenal Medulla 114
Adrenochrome 117
Catecholamines* 114
Chromaffin Granules 115
Chromaffin System 115
Dopa 115
Dopamine 115
Epinephrine 115
Hydroxydopamine 116
Isoproterenol 116
Levodopa 116
Metanephrine . . . . . -
Methyldopa . . . . . -
Methyldopahydrazine . . . . . -
Methylnorepinephrine . . . . . -
Norepinephrine 116
Normetanephrine 116

*See also more specific terms

Page

V. Adrenal Medulla (Continued)
Pheochromocytoma 116
Vanilmandelic Acid 117

CATEGORY 4: GONADS

I. Physical and Functional Aspects
Gonads* 119
Ovary
Corpus Luteum 120
Graafian Follicle 120
Granulosa Cells 121
Lutein Cells 121
Ovary* 121
Theca Cells 124
Testis
Leydig Cells 125
Sertoli Cells 125
Testis* 125

II. Disorders of the Gonads
Arrhenoblastoma 130
Bonnevie-Ullrich Syndrome 130
Brenner Tumor . . . . . -
Corpus Luteum, Abnormalities and Injuries . . . . . -
Corpus Luteum Cyst 130
Cryptorchism 130
Disgerminoma 130
Eunuchism 131
Gonads, Abnormalities and Injuries . . . . . -
Graafian Follicle, Abnormalities and Injuries . . . . . -
Granulosa Cell Tumor 131
Gynandroblastoma 132
Hermaphroditism 132
Hypogonadism* 132
Infantilism (See CATEGORY 1: PITUITARY)
Klinefelter's Syndrome 132
Leydig Cells, Abnormalities and Injuries . . . . . -
Leydig Cell Tumor 133
Meigs' Syndrome 133
Ovarian Cysts 133
Ovarian Diseases* 134
Ovarian Neoplasms* 134
Ovary, Abnormalities and Injuries 137
Prader-Willi Syndrome 137
Pseudohermaphroditism 137
Puberty, Precocious 137
Sertoli Cell Tumor 138
Sertoli Cells, Abnormalities and Injuries . . . . . -
Sex Chromosome Abnormalities 138

*See also more specific terms

Page

II. Disorders of the Gonads (Continued)
Sex Differentiation Disorders 138
Stein-Leventhal Syndrome 138
Struma Ovarii 139
Testicular Diseases* 139
Testicular Feminization 139
Testicular Neoplasms* 139
Testis, Abnormalities and Injuries 141
Theca Cell Tumor . . . . . -
Turner's Syndrome 141

III. Gonadal Hormones, Precursors, Metabolites and Synthetic Analogs
Algestone Acetophenide . . . . . -
Alphasone 143
Anabolic Steroids* 143
Androgen Antagonists 143
Androgens* 143
Androstanes* 144
Androstenes* 145
Androstenols 145
Androsterone (See CATEGORY 3: ADRENAL)
Chlormadinone 145
Chlorotrianisene 145
Clomiphene 145
Contraceptives, Oral* 146
Contraceptives, Oral, Hormonal 148
Contraceptives, Postcoital 148
Corpus Luteum Hormones 148
Cronolone 148
Cyproterone 148
Dehydroepiandrosterone (See CATEGORY 3: ADRENAL)
Diethylstilbestrol 149
Dihydroxyprogesterone 173
Dimethisterone . . . . . -
Dromostanolone . . . . . -
Dydrogesterone . . . . . -
Estradiol 150
Estradiol Antagonists 153
Estranes . . . . . -
Estriol 153
Estrogen Antagonists 154
Estrogenic Substances, Conjugated 155
Estrogens* 155
Estrogens Synthetic 158
Ethinyl Estradiol 158
Ethisterone . . . . . -
Ethylestrenol . . . . . -

*See also more specific terms

Page

III. Gonadal Hormones, Precursors, Metabolites and Synthetic Analogs (Continued)

Ethynodiol Diacetate 159
Etiocholanolone (See CATEGORY 3: ADRENAL)
Fertility Agents . . . . . -
Fertility Agents, Female, Hormonal . . . . . -
Fertility Agents, Male, Hormonal . . . . . -
Fluorometholone . . . . . -
Fluoxymesterone 159
Gonanes* . . . . . -
Hexestrol 159
Hydroxyestrones 159
Hydroxymethyltestosterone . . . . . -
Hydroxyprogesterone 159
Hydroxytestosterones . . . . . -
17-Ketosteroids (See CATEGORY 3: ADRENAL)
Lynestrenol 160
Medroxyprogesterone 160
Megestrol 160
Mestranol 160
Methandrostenolone 161
Methenolone . . . . . -
Methyltestosterone 161
Nandrolone 161
Norethandrolone 161
Norethindrone 161
Norethynodrel 162
Norgestrel 162
Normethandrolone . . . . . -
Oxandrolone . . . . . -
Oxymetholone 162
Pregnanediol 162
Pregnanes* 163
Pregnanetriol (See CATEGORY 3: ADRENAL)
Pregnenes* 163
Pregnenolone 163
Progestational Hormones 163
Progestational Hormones, Synthetic 164
Progesterone 164
Relaxin 167
Sex Hormones* 167
Stanolone 168
Stanozolol 169
Testolactone . . . . . -
Testosterone 169

*See also more specific terms

Page

IV. Related Topics
Castration 174
Estrus 174
Feminization . . . . . -
Lactation (See CATEGORY 1: PITUITARY)
Ovulation 175
Ovulation Induction 175
Puberty 176
Sex Chromatin 176
Sex Chromosomes 176
Sex Determination 177
Sex Reversal, Gonadal 177

CATEGORY 5: PLACENTA

I. Physical and Functional Aspects 179
Placental Function Tests 180

II. Disorders of the Placenta
Chorioadenoma 181
Choriocarcinoma 181
Hydatidiform Mole 181
Placenta, Abnormalities and Injuries . . . . . -
Placenta Disorders 182
Trophoblastic Tumor 183

III. Placental Hormones, Precursors, Metabolites and Synthetic Analogs (See also specific terms in CATEGORY 3: ADRENAL and CATEGORY 4: GONADS)
Gonadotropins, Chorionic 184
Gonadotropins, Equine 185
Placental Extracts . . . . . -
Placental Hormones* 186
Placental Lactogen 186
Somatomammotropin 187

CATEGORY 6: PARATHYROID AND BONES

I. Physical and Functional Aspects 189

II. Disorders of the Parathyroid Glands
DiGeorge Syndrome 191
Hyperparathyroidism 191
Hyperparathyroidism, Secondary 192
Hypoparathyroidism 192
Parathyroid Diseases* 192
Parathyroid Glands, Abnormalities and Injuries 193
Parathyroid Neoplasms 193

*See also more specific terms

		Page
III.	Parathyroid Hormone	194
IV.	Bone Metabolism and Related Topics	
	Bone and Bones	197
	Calcification, Physiologic	200
	Calcitonin (Thyrocalcitonin)	200
	Calcium Metabolism	202
	Cholecalciferols	206
	Dihydrotachysterol	207
	Dihydroxycholecalciferols	207
	Ergocalciferol	208
	Hydroxycholecalciferols	208
	Hypercalcemia	209
	Osteitis Fibrosa Cystica	210
	Osteogenesis Imperfecta	211
	Osteomalacia	211
	Osteopetrosis	212
	Osteoporosis	212
	Pseudohypoparathyroidism	213
	Pseudopseudohypoparathyroidism	213
	Renal Osteodystrophy	213
	Rickets	214
	Rickets, Vitamin D Resistant	214
	Tetany	214
	Thyrocalcitonin (See Calcitonin)	
	Vitamin A	215
	Vitamin D	215
	Vitamin D Deficiency	216

CATEGORY 7: NEUROENDOCRINOLOGY

I.	Physical and Functional Aspects	
	Amygdaloid Body	217
	Hypothalamo-Hypophyseal System	218
	Hypothalamus	219
	Hypothalamus, Anterior	224
	Hypothalamus, Medial	224
	Hypothalamus, Posterior	225
	Median Eminence	225
	Neurosecretory Systems	226
	Pineal Body	227
II.	Disorders of the Amygdaloid Body	
	Hypothalamus, Abnormalities and Injuries	229
	Hypothalamus, Anterior, Abnormalities and Injuries	-
	Pinealoma	229

*See also more specific terms

Page

III. Neuroendocrine System Hormones, Precursors, Metabolites and Synthetic Analogs
Corticotropin Releasing Hormone (CRH) 230
LH-FSH Releasing Hormone 230
Melatonin 232
MSH Release Inhibiting Hormone 233
MSH Releasing Hormone 233
Pituitary Hormone Release Inhibiting Hormones 233
Pituitary Hormone Releasing Hormones* 233
Prolactin Release Inhibiting Hormone 233
Prolactin Releasing Hormone . . . . . –
Somatotropin Release Inhibiting Hormone 233
Somatotropin Releasing Hormone 235
Thyrotropin Releasing Hormone (TRH) 235

CATEGORY 8: CYCLIC NUCLEOTIDES

Adenosine Cyclic-3', 5'-Monophosphate 237
Guanosine Cyclic-3', 5'-Monophosphate 240

CATEGORY 9: APPENDIX

Adenyl Cyclase 243
Guanyl Cyclase 245
Hormones, Ectopic 245
Neoplastic Endocrine-like Syndromes 246
Nerve Growth Factor 246
Prostaglandins 246
Prostaglandins A 249
Prostaglandins B 249
Prostaglandins D 249
Prostaglandins E 249
Prostaglandins F 252
Prostaglandins G 254
Prostaglandins H 254
Prostaglandins X 254
Receptors, Androgen 255
Receptors, Angiotensin 255
Receptors, Cyclic AMP 256
Receptors, Estrogen 256
Receptors, Glucocorticoid 257
Receptors, Hormone 257
Receptors, Progesterone 258
Receptors, Prostaglandin 259
Receptors, Steroid 259

*See also more specific terms

Page

REVIEW SECTION 260

METHOD SECTION 267

AUTHOR SECTION A-1

SUBJECT INDEX A-297

AUTHOR INDEX A-331

PITUITARY

I. Physical and Functional Aspects

PITUITARY FUNCTION TESTS

Prognosis in primary amenorrhea. Wentz AC, et al. **Fertil Steril** 29(6):614–21, Jun 78

PITUITARY GLAND

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II. Disorders of the Pituitary Gland

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ADENOMA, CHROMOPHOBE

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Immunoelectronmicroscopical localization of ACTH/MSH peptides in rat and human pituitaries. Moriarty GC, et al. **Front Horm Res** 4:26–41, 1977

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CHIARI–FROMMEL SYNDROME

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CRANIOPHARYNGIOMA

Sellar enlargement with hyperprolactinemia and a Rathke's pouch cyst. Trokoudes KM, et al. **JAMA** 240(5):471–3, 4 Aug 78

[A case of recurrent Rathke's cleft cyst—discussion on its biological nature from clinical course, pathological studies and review of literatures (author's transl)] Kobayashi T, et al. **No Shinkei Geka** 6(5):437–44, May 78 (Eng. Abstr.) **(Jpn)**

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III. Pituitary Hormones, Precursors, Metabolites and Synthetic Analogs

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PITUITARY

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III. Thyroid Hormones, Precursors, Metabolites and Synthetic Analogs

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*FLUOCORTOLONE. See Page 108

GLUCOCORTICOIDS

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Hormonal activation of adenylate cyclase and its role in cyclic AMP mediated regulation of RNA synthesis in the mouse mammary gland. Chomczynski P, et al. **Acta Biochim Pol** 25(1):29–36, 1978 (Eng. Abstr.)

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Cushing's syndrome due to adrenal adenoma with persistent diurnal cortisol secretory rhythm. Olsen NJ, et al. **Metabolism** 27(6):695–700, Jun 78

[Hormonal correlations following bilateral adrenalectomy in cases of Cushing's syndrome] Kasperlik-Zaluska A. **Pol Tyg Lek** 33(12):473–5, 20 Mar 78 **(Pol)**

THERAPEUTIC USE

Injection of corticosteroids into mother to prevent neonatal respiratory distress syndrome. Morrison JC, et al. **Am J Obstet Gynecol** 131(4):358–66, 15 Jun 78

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Improved methods for isolating cortisol metabolites from neonatal urine. Derks HJ, et al. **Clin Chem** 24(7):1158–62, Jul 78

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HYDROCORTISONE, TOPICAL

METABOLISM

Penetration routes of topically applied eye medications. Doane MG, et al. **Am J Ophthalmol** 85(3):383–6, Mar 78

Effect of formulation factors on penetration of hydrocortisone through mouse skin. Shahi V, et al. **J Pharm Sci** 67(6):789–92, Jun 78

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HYDROXYCORTICOSTEROIDS

BLOOD

Clinical experience with a simple screening test for Cushing's syndrome combining the determination of plasma cortisol circadian rhythm with the overnight dexamethasone suppression test. Reschini E, et al. **Am J Med Sci** 275(1):33–42, Jan–Feb 78

URINE

The identification and quantification of three new 6alpha-hydroxylated corticosteroids in human neonatal urine. Derks HJ, et al. **Steroids** 31(2):289–305, Feb 78

11-HYDROXYCORTICOSTEROIDS

BLOOD

The free-running circadian rhythms of two schizophrenics. Mills JN, et al. **Chronobiologia** 4(4):353–60, Oct–Dec 77

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METABOLISM

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17-HYDROXYCORTICOSTEROIDS

BLOOD

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METABOLISM

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[Infantile cushing's disease with paradoxical response to dexamethasona due to a probable periodic hormogenesis (author's transl)] Martul P, et al. An Esp Pediatr 11(3):213–8, Mar 78 (Eng. Abstr.) (Spa)

URINE

Interference in the measurement of urinary 17-hydroxycorticosteroids by methicillin sodium [letter] Kinzel T, et al. Arch Pathol Lab Med 102(7):387, Jul 78

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Role of androgenic hyperactivity in anovulation. Toaff R, et al. Fertil Steril 29(4):407–13, Apr 78

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Cushing's syndrome due to adrenal adenoma with persistent diurnal cortisol secretory rhythm. Olsen NJ, et al. Metabolism 27(6):695–700, Jun 78

On the function of autonomic nervous system and endocrine system in childhood asthma. Seyama K, et al. Yonago Acta Med 21(1):48–56, Jul 77

[Gas chromatography of urinary steroids in the diagnosis of adrenal carcinoma in childhood] Giacchino M, et al. Minerva Pediatr 30(9):695–712, 15 May 78 (Eng. Abstr.) (Ita)

[Experience using sinakten-retard in the treatment of muscular sclerosis] Neretin VIa, et al. Zh Nevropatol Psikhiatr 78(4):514–8, 1978 (Eng. Abstr.) (Rus)

[Infantile cushing's disease with paradoxical response to dexamethasona due to a probable periodic hormogenesis (author's transl)] Martul P, et al. An Esp Pediatr 11(3):213–8, Mar 78 (Eng. Abstr.) (Spa)

18-HYDROXYCORTICOSTERONE

ANALYSIS

18-hydroxycorticosterone: a review. Fraser R, et al. J Steroid Biochem 9(3):273–86, Mar 78

METABOLISM

18-hydroxycorticosterone: a review. Fraser R, et al. J Steroid Biochem 9(3):273–86, Mar 78

18-HYDROXYDESOXYCORTICOSTE

ANALYSIS

Estimation of 18-hydroxy-11-deoxycorticosterone (18-OH-DOC) in human plasma and urine including a comparison of various techniques. Palem-Vliers M, et al. J Steroid Biochem 9(3):239–43, Mar 78

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BLOOD

24 hour profile of 18-hydroxy-11-deoxycorticosterone in normal supine man: relationship with cortisol and aldosterone. Sulon J, et al. Clin Endocrinol (Oxf) 8(5):367–72, May 78

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Effect of aminoglutethimide on blood pressure and steroid secretion in patients with low renin essential hypertension. Taylor AA, et al. J Clin Invest 62(1):162–8, Jul 78

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HYDROXYPREGNENOLONE

BLOOD

Effect of oral contraceptives on plasma androgenic steroids and their precursors. Fern M, et al. Obstet Gynecol 51(5):541–4, May 78

[Simultaneous determination of pregnenolone, 17 alpha-hydroxypregnenolone and dehydroepiandrosterone] Den M, et al. **Horumon To Rinsho** 26(3):309–14, Mar 78 **(Jpn)**

METABOLISM

Changes in C21-steroid metabolism by ovine placentas during cortisol administration. Anderson NG, et al. **Biol Reprod** 18(4):652–7, May 78

SECRETION

Androgen, estrogen, and progesterone by a lipid cell tumor of theovary. Bonaventura LM, et al. **Am J Obstet Gynecol** 131(4):403–9, 15 Jun 78

KETOSTEROIDS

ANALYSIS

21-Hydroxypregna-1,4-diene-3,11,20-trione: a biliary metabolite of a cartilaginous fish, Raja sp. Truscott B, et al. **Steroids** 31(4):573–82, Apr 78

CHEMICAL SYNTHESIS

A convenient synthesis of 3-keto bile acids by selective oxidation of bile acids with silver carbonate-Celite. Tserng KY. **J Lipid Res** 19(4):501–4, May 78

METABOLISM

Substrate binding to hepatic microsomal cytochrome P-450. Influence of the microsomal membrane. Ebel RE, et al. **J Biol Chem** 253(11):3888–97, 10 Jun 78

Biological activity of some oxygenated sterols. Kandutsch AA, et al. **Science** 201(4355):498–501, 11 Aug 78

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[General tenets of the local use of corticosteroids in dermatoses] Ivanov NA. **Vestn Dermatol Venerol** (5):40–2, May 78 (17 ref.) **(Rus)**

17-KETOSTEROIDS

ANALYSIS

Androgen producing adrenocortical carcinoma. Valente M, et al. **Virchows Arch [Pathol Anat]** 378(2):91–103, 2 Jun 78

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[Correction of corticosteroid disorders in patients with stomach neoplasms] Karev ID. **Khirurgiia (Mosk)** (4):38–43, Apr 78 (Eng. Abstr.) **(Rus)**

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PHARMACODYNAMICS

Effects of an aminosteroid, ORG 6001, on various membrane phenomena of non-myelinated nerve fibres of the rat. Kingma JH, et al. **Eur J Pharmacol** 49(1):81–6, 1 May 78

URINE

Therapy of androgenetic sympatomatology with cyproterone acetate and ethinyl estradiol. Schindler AE, et al. **Arch Gynaekol** 225(2):103–7, 12 May 78

Role of androgenic hyperactivity in anovulation. Toaff R, et al. **Fertil Steril** 29(4):407–13, Apr 78

Urine steroid profiles of hirsute women (author's transl)] Egger HJ, et al. **J Chromatogr** 145(3):359–69, 1 May 78 (Eng. Abstr.)

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On the function of autonomic nervous system and endocrine system in childhood asthma. Seyama K, et al. **Yonago Acta Med** 21(1):48–56, Jul 77

[Histology of the endometrium with the copper IUD. Urinary hormone levels] Sailly F, et al. **Gynecologie** 28(6):491–2, 1977 **(Fre)**

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[Gas chromatography of urinary steroids in the diagnosis of adrenal carcinoma in childhood] Giacchino M, et al. **Minerva Pediatr** 30(9):695–712, 15 May 78 (Eng. Abstr.) **(Ita)**

[Urinary excretion of sodium, potassium, chlorides, 17-ketosteroids and vanilmandelic acid following glucagon administration] Markiewicz K, et al. **Pol Tyg Lek** 33(16):621–3, 17 Apr 78 (Eng. Abstr.) **(Pol)**

[Experience using sinakten-retard in the treatment of muscular sclerosis] Neretin VIa, et al. **Zh Nevropatol Psikhiatr** 78(4):514–8, 1978 (Eng. Abstr.) **(Rus)**

METHYLPREDNISOLONE

ADMINISTRATION & DOSAGE

[Value of the use of massive doses of corticosteroids in the prevention and treatment of cardiogenic shock] Di Teodoro A, et al. **Minerva Anestesiol** 44(3):109–30, Mar 78 (Eng. Abstr.) **(Ita)**

PHARMACODYNAMICS

Phagocytic activity of reticuloendothelial system of mice in shock-like state following administration of polysaccharide-protein complex isolated from Candida albicans. Trnovec T, et al. **Circ Shock** 5(1):51–9, 1978

THERAPEUTIC USE

[Value of the use of massive doses of corticosteroids in the prevention and treatment of cardiogenic shock] Di Teodoro A, et al. **Minerva Anestesiol** 44(3):109–30, Mar 78 (Eng. Abstr.) **(Ita)**

MINERALOCORTICOIDS

BLOOD

[In vivo and in vitro studies on steroid production by aldosteronoma (author's transl)] Ojima M. **Nippon Naibunpi Gakkai Zasshi** 54(3):246–54, 20 Mar 78 (Eng. Abstr.) **(Jpn)**

METABOLISM

Sodium and mineralocorticoids in normal and abnormal pregnancy. Lindheimer MD, et al. **Adv Nephrol** 7:33–59, 1977 (84 ref.)

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PHARMACODYNAMICS

Effects of aldosterone on renal handling of sodium, potassium and hydrogen ions. Paillard M. **Adv Nephrol** 7:83–104, 1977 (53 ref.)

Regulation of endorphin production by glucocorticoids in cultured pituitary tumor cells. Sabol SL. **Biochem Biophys Res Commun** 82(2):560–7, 30 May 78

[Effect of mineralocorticoids on the intraocular distribution of intravenously injected 24NaCl and 86RbCl] Obenberger J, et al. **Cesk Oftalmol** 34(3):199–204, May 78 (Eng. Abstr.) **(Cze)**

PHYSIOLOGY

Extracellular fluid volume regulation: on the evidence for a biologic control system. pp. 19–30. Bricker NS. **In: Epstein M, ed. The kidney in liver disease. New York, Elsevier, 1978. WI 700 K46 1976.** (19 ref.)

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Spironolactone. An aldosterone agonist in the stimulation of H+ secretion by turtle urinary bladder. Mueller A, et al. **J Clin Invest** 61(6):1666–70, Jun 78

Intestinal adaptation (second of two parts). Mechanisms of control. Williamson RC. **N Engl J Med** 298(26):1444–50, 29 Jun 78 (185 ref.)

PREDNISOLONE

ADMINISTRATION & DOSAGE

[Transenteral drug therapy in nonspecific ulcerative colitis] Zaitsev VN. **Klin Med (Mosk)** 56(3):91–5, Mar 78 **(Rus)**

ADVERSE EFFECTS

Steroid–induced glaucoma: A. Persistent elevation of intraocular pressure B. Histopathological aspects. Spaeth GL, et al. **Trans Am Ophthalmol Soc** 75:353–81, 1977

ANALOGS & DERIVATIVES

[Percutaneous absorption of prednisolone 17–valerate–21–acetate, a new corticosteroid for topical use] Vitali C. **Clin Ter** 85(2):173–7, 30 Apr 78 (Eng. Abstr.) **(Ita)**

PHARMACODYNAMICS

Effect of prednisolone treatment on selected respiratory parameters and cardiac output in prematurely delivered neonatal lambs. Thompson FN, et al. **Can J Comp Med** 42(1):132–8, Jan 78

Primary open–angle glaucoma and sensitivity to corticosteroids in vitro. Sowell JG, et al. **Trans Am Ophthalmol Soc** 75:339–52, 1977

[Effect of corticosteroids on hydrodynamics of the eye under experimental conditions] Belousova ZF. **Oftalmol Zh** 33(2):150–1, 1978 **(Rus)**

THERAPEUTIC USE

Treatment of refractory anemia with etiocholanolone and prednisolone (etio–pred): initial clinical experience. pp. 415–24. Gardner FH, et al. **In: Hibino S, et al., ed. Aplastic anemia. Baltimore, Univ Park Press, 1978. W3 IN916ADS 1st 1976a.**

Steroid–induced glaucoma: A. Persistent elevation of intraocular pressure B. Histopathological aspects. Spaeth GL, et al. **Trans Am Ophthalmol Soc** 75:353–81, 1977

[Current possibilities of treatment of nonspecific ulcerative colitis and Crohn's disease] Fedorov VD, et al. **Klin Med (Mosk)** 56(3):86–91, Mar 78 (Eng. Abstr.) **(Rus)**

PREDNISOLONE, TOPICAL

ANALOGS & DERIVATIVES

[Percutaneous absorption of prednisolone 17–valerate–21–acetate, a new corticosteroid for topical use] Vitali C. **Clin Ter** 85(2):173–7, 30 Apr 78 (Eng. Abstr.) **(Ita)**

METABOLISM

[Percutaneous absorption of prednisolone 17–valerate–21–acetate, a new corticosteroid for topical use] Vitali C. **Clin Ter** 85(2):173–7, 30 Apr 78 (Eng. Abstr.) **(Ita)**

THERAPEUTIC USE

[Percutaneous absorption of prednisolone 17–valerate–21–acetate, a new corticosteroid for topical use] Vitali C. **Clin Ter** 85(2):173–7, 30 Apr 78 (Eng. Abstr.) **(Ita)**

PREDNISONE

ADMINISTRATION & DOSAGE

The effects of single–dose alternate–day prednisone therapy on the immunological status of patients with neuromuscular diseases. Cook JD, et al. **Ann Neurol** 3(2):166–76, Feb 78

Minimum dose requirements of steroid–dependent asthmatic patients for aerosol beclomethasone and oral prednisone. Toogood JH, et al. **J Allergy Clin Immunol** 61(6):355–64, Jun 78

Dissolution rates of hydrocortisone and prednisone utilizing sugar solid dispersion systems in tablet form. Allen LV, et al. **J Pharm Sci** 67(7):979–81, Jul 78

ADVERSE EFFECTS

Osteomyelitis, septic arthritis and cortisone. A problem of mistaken diagnosis. Fowles JV, et al. **Acta Orthop Belg** 43(6):795–800, 1977

PHARMACODYNAMICS

Active multiple sclerosis. Enhanced computerized tomographic imaging of lesions and the effect of corticosteroids. Sears ES, et al. **Arch Neurol** 35(7):426–34, Jul 78

Steroid–induced osteopenia. pp. 23–6. Avioli LV, et al. **In: Copp DH, Talmage RV, ed. Endocrinology of calcium metabolism. Amsterdam, Excerpta Medica, 1978. W3 EX89 no.421 1978.**

PHYSIOLOGY

Two–hour adrenocorticotropic hormone test: accuracy in the evaluation of the hypothalamic–pituitary–adrenocortical axis. Leisti S, et al. **Pediatr Res** 12(4 Pt 1):272–8, Apr 78

THERAPEUTIC USE

Osteomyelitis, septic arthritis and cortisone. A problem of mistaken diagnosis. Fowles JV, et al. **Acta Orthop Belg** 43(6):795–800, 1977

The influence of corticotherapy on mitogen induced lymphocytotoxicity in bronchial asthma. Podleski WK, et al. **Ann Allergy** 40(6):381–4, Jun 78

The effects of single–dose alternate–day prednisone therapy on the immunological status of patients with neuromuscular diseases. Cook JD, et al. **Ann Neurol** 3(2):166–76, Feb 78

Active multiple sclerosis. Enhanced computerized tomographic imaging of lesions and the effect of corticosteroids. Sears ES, et al. **Arch Neurol** 35(7):426–34, Jul 78

Isolated trochlear nerve palsies in herpes zoster ophthalmicus. Grimson BS, et al. **Arch Ophthalmol** 96(7):1233–5, Jul 78

Post–transfusion purpura cured by steroid therapy in a man. Seidenfeld AM, et al. **Can Med Assoc J** 118(10):1285–6, 20 May 78

A review of mixed connective tissue disease. Chubick A, et al. **Int J Dermatol** 17(2):123–33, Mar 78 (57 ref.)

Minimum dose requirements of steroid–dependent asthmatic patients for aerosol beclomethasone and oral prednisone. Toogood JH, et al. **J Allergy Clin Immunol** 61(6):355–64, Jun 78

[Aldosterone excretion following prednisone therapy] Solc J, et al. **Cesk Pediatr** 33(3):157–8, May 78 (Eng. Abstr.) **(Cze)**

TETRAHYDROCORTISOL

ANALOGS & DERIVATIVES

The identification of 6alpha–hydroxytetrahydrocortisol (3alpha,6alpha,11beta,17alpha,21–pentahydroxy–5beta–preg in urine. Setchell KD, et al. **FEBS Lett** 88(2):215–8, 15 Apr 78

Polar corticosteroids in human neonatal urine; synthesis and gas chromatography–mass spectrometry of ring A reduced 6–hydroxylated corticosteroids. Derks HJ, et al. **Steroids** 31(1):9–22, Jan 78

Identification of 7xi–hydroxytetrahydrocortisol and 7xi–hydroxytetrahydrocortisone from urine of newborn baboons (Papio papio). Pepe GJ, et al. **Steroids** 31(4):501–10, Apr 78

BLOOD

Cortisol metabolism in lymphocytes from cancer–bearing patients. Klein A, et al. **Metabolism** 27(6):731–6, Jun 78

CHEMICAL SYNTHESIS

Polar corticosteroids in human neonatal urine; synthesis and gas chromatography–mass spectrometry of ring A reduced 6–hydroxylated corticosteroids. Derks HJ, et al. **Steroids**

31(1):9–22, Jan 78

URINE

The identification of 6alpha-hydroxytetrahydrocortisol (3alpha,6alpha,11beta,17alpha,21-pentahydroxy-5beta-preg in urine. Setchell KD, et al. **FEBS Lett** 88(2):215–8, 15 Apr 78

Polar corticosteroids in human neonatal urine; synthesis and gas chromatography–mass spectrometry of ring A reduced 6-hydroxylated corticosteroids. Derks HJ, et al. **Steroids** 31(1):9–22, Jan 78

Identification of 7xi-hydroxytetrahydrocortisol and 7xi-hydroxytetrahydrocortisone from urine of newborn baboons (Papio papio). Pepe GJ, et al. **Steroids** 31(4):501–10, Apr 78

TETRAHYDROCORTISONE

ANALOGS & DERIVATIVES

The identification and quantification of three new 6alpha-hydroxylated corticosteroids in human neonatal urine. Derks HJ, et al. **Steroids** 31(2):289–305, Feb 78

Identification of 7xi-hydroxytetrahydrocortisol and 7xi-hydroxytetrahydrocortisone from urine of newborn baboons (Papio papio). Pepe GJ, et al. **Steroids** 31(4):501–10, Apr 78

THERAPEUTIC USE

[Perioral dermatitis] Dományházi G. **Fogorv Sz** 71(2):52–3, Feb 78 **(Hun)**

URINE

The identification and quantification of three new 6alpha-hydroxylated corticosteroids in human neonatal urine. Derks HJ, et al. **Steroids** 31(2):289–305, Feb 78

Identification of 7xi-hydroxytetrahydrocortisol and 7xi-hydroxytetrahydrocortisone from urine of newborn baboons (Papio papio). Pepe GJ, et al. **Steroids** 31(4):501–10, Apr 78

TRIAMCINOLONE

ADVERSE EFFECTS

Steroid-induced glaucoma: A. Persistent elevation of intraocular pressure B. Histopathological aspects. Spaeth GL, et al. **Trans Am Ophthalmol Soc** 75:353–81, 1977

PHARMACODYNAMICS

Effect of adrenal steroids on vasopressin-stimulated PGE synthesis and water flow. Zusman RM, et al. **Am J Physiol** 234(6):F532–40, Jun 78

Influence of steroids and stress on toxicity and disposition of tetraethylammonium bromide. Kourounakis P, et al. **J Pharm Sci** 65(12):1838–40, Dec 76

THERAPEUTIC USE

Steroid-induced glaucoma: A. Persistent elevation of intraocular pressure B. Histopathological aspects. Spaeth GL, et al. **Trans Am Ophthalmol Soc** 75:353–81, 1977

[Internal treatment of vitiligo (letter)] Hofmann C. **Hautarzt** 29(5):298–9, May 78 **(Ger)**

TRIAMCINOLONE ACETONIDE

PHARMACODYNAMICS

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V. *Adrenal Medulla*

ADRENAL MEDULLA

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Blockade of desensitization of nicotinic receptors of the cat adrenal medulla by concanavalin A. Kirpekar SM, et al. **Br J Pharmacol** 62(4):549–52, Apr 78

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METABOLISM

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ULTRASTRUCTURE

The effects of calcium2+ and magnesium2+ on the electrophoretic mobility of chromaffin granules measured by electrophoretic light scattering. Siegel DP, et al.
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CHROMAFFIN SYSTEM

ENZYMOLOGY

Complexes of chromogranin A and dopamine beta-hydroxylase among the chromogranins of the bovine adrenal medulla. Helle KB, et al. **Biochim Biophys Acta** 533(2):396–407, 26 Apr 78

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DOPA

METABOLISM

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DOPAMINE

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METABOLISM

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HYDROXYDOPAMINE

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Desensitization of the beta-adrenoceptor of lymphocytes from normal subjects and patients with phaeochromocytoma: studies in vivo. Greenacre JK, et al. **Br J Clin Pharmacol** 5(3):191–7, Mar 78

LEVODOPA

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NOREPINEPHRINE

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I. Physical and Functional Aspects

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GONADS

IV. Related Topics

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PLACENTA

II. Disorders of the Placenta

CHORIOADENOMA

IMMUNOLOGY

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CHORIOCARCINOMA

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BLOOD

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COMPLICATIONS

Choriocarcinoma with cerebral metastases coexistent with a first pregnancy. Greene JB, et al. **Am J Obstet Gynecol** 131(3):253–4, 1 Jun 78

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DIAGNOSIS

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ETIOLOGY

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ANALYSIS

Purification and characterization of choriogonadotropin from hydatidiform mole. Choy YM, et al. **Clin Chim Acta** 85(1):7–15, 3 Apr 78

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Human chorionic gonadotropin. Keller PJ.
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ETIOLOGY

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Pathology of the placenta. Fox H, et al. **Major Probl Pathol** 7:1–491, 1978

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THERAPY

[Effect of abdominal decompression on placental function] Müller-Tyl E, et al. **Wien Med Wochenschr** 128(8):233–7,

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TROPHOBLASTIC TUMOR

BLOOD

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DIAGNOSIS

[Angiographic features of trophoblastic tumors (author's transl)] Freitag J, et al. **Zentralbl Gynaekol** 100(3):136–42, 1978 (Eng. Abstr.) **(Ger)**

ETIOLOGY

Cancer epidemics in the People's Republic of China. Miller RW. **J Natl Cancer Inst** 60(6):1195–203, Jun 78

IMMUNOLOGY

[Leukocyte migration inhibition reaction in trophoblastic tumor patients] Kovaleva VL, et al.
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[Isolation and purification of specific beta1-G-globulin] Sokolov AV, et al. **Vopr Med Khim** (2):240–4, Mar–Apr 78 (Eng. Abstr.) **(Rus)**

METABOLISM

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PATHOLOGY

Pathology of the placenta. Fox H, et al.
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PLACENTA

III. Placental Hormones, Precursors, Metabolites and Synthetic Analogs

GONADOTROPINS, CHORIONIC

Human chorionic gonadotropin. Keller PJ.
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ADMINISTRATION & DOSAGE

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Effect of maternal dexamethasone therapy on the levels of oestrogens, progesterone and chorionic gonadotrophin in amniotic fluid and maternal serum. Ylikorkala O, et al. **Br J Obstet Gynaecol** 85(5):334–7, May 78

Demonstration of a chorionic gonadotropin–like substance in rabbit morulae. Asch RH, et al. **Fertil Steril** 29(4):444–6, Apr 78

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Nausea and vomiting during pregnancy. Fairweather DV. **Obstet Gynecol Annu** 7:91–105, 1978

[Angiographic features of trophoblastic tumors (author's transl)] Freitag J, et al. **Zentralbl Gynaekol** 100(3):136–42, 1978 (Eng. Abstr.) **(Ger)**

[Immunochemical determination of hCG] Okumura H, et al. **Horumon To Rinsho** 26(3):301–8, Mar 78 **(Jpn)**

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ANTAGONISTS & INHIBITORS

Amphibian oocyte maturation and protein synthesis: related inhibition by cyclic AMP, theophylline, and papaverine. Bravo R, et al. **Proc Natl Acad Sci USA** 75(3):1242–6, Mar 78

BIOSYNTHESIS

Human placental cells transformed by tsA mutants of simian virus 40: a model system for the study of placental functions. Chou JY. **Proc Natl Acad Sci USA** 75(3):1409–13, Mar 78

BLOOD

Extremely low placental lactogen hormone (hPL) values in an otherwise uneventful pregnancy preceding delivery of a normal baby. Gaede P, et al.
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Clinical, hormonal and ultrastructure studies of a virilizing hepatoblastoma. Kumar EV, et al. **Acta Paediatr Scand** 67(3):389–92, May 78

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Alpha–fetoprotein and human chorionic gonadotropin in a patient with a primary intracranial germ cell tumor. Nørgaard–Pedersen B, et al. **Cancer** 41(6):2315–20, Jun 78

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Pregnancy testing. 2. Radioreceptor assay. Horwitz CA, et al. **Postgrad Med** 63(6):145–50, Jun 78

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Gonadotropin receptor regulation in hypophysectomized rat Leydig cells. Hanour F, et al. **Biochem Biophys Res Commun** 81(2):547–51, 30 Mar 78

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Regulation of luteinizing hormone receptors and steroidogenesis in gonadotropin–desensitized leydig cells. Cigorraga SB, et al. **J Biol Chem** 253(12):4297–304, 25 Jun 78

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PARATHYROID AND BONE

I. Physical and Functional Aspects

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PARATHYROID AND BONE

II. Disorders of the Parathyroid Glands

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PARATHYROID AND BONE

III. Parathyroid Hormone

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HYPOTHALAMUS, MEDIAL

ANATOMY & HISTOLOGY

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METABOLISM

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DRUG EFFECTS

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NEUROSECRETORY SYSTEMS

ANATOMY & HISTOLOGY

The reticular formation of lampreys (Petromyzonidae)—a target area for exohypothalamic vasotocinergic fibres. Hoheisel G, et al. **Cell Tissue Res** 189(2):331–45, 29 May 78

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Effects of long–term administration of chlorpromazine on the pineal gland of rats. Horita N, et al. **Acta Neuropathol (Berl)** 42(1):49–52, 26 Apr 78

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ANATOMY & HISTOLOGY

Effect of sound stimulation on pineal glands of female albino rats [proceedings] Fontana P Jr, et al. **An Acad Bras Cienc** 50(1):116, Mar 78

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BLOOD SUPPLY

Embryonic development of the pineal gland of the chicken (Gallus gallus). Calvo J, et al. **Acta Anat (Basel)** 101(4):289–303, 1978

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Embryonic development of the pineal gland of the chicken (Gallus gallus). Calvo J, et al. **Acta Anat (Basel)** 101(4):289–303, 1978

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Effects of oestrogen and progesterone on rat pineal N–acetyl transferase activity and melatonin production. Wilkinson M, et al. **Experientia** 34(5):667–9, 15 May 78

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GROWTH & DEVELOPMENT

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The pineal gland does not control rod outer segment shedding and phagocytosis in the rat retina and pigment epithelium. Tamai M, et al. **Invest Ophthalmol Vis Sci** 17(6):558–62, Jun 78

METABOLISM

Primary cultures of dispersed cells of rat pineal gland. I. Fine structure and indole metabolism. Piekut DT, et al. **Cell Tissue Res** 188(2):285–97, 17 Apr 78

Effect of castration on the concentration of adenosine

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NEUROENDOCRINOLOGY

II. Disorders of the Amygdaloid Body

HYPOTHALAMUS

INJURIES

[Role of the hypothalamus in the pathogenesis of obesity in the light of modern studies] Komorowski JM. **Pol Tyg Lek** 33(16):657–9, 17 Apr 78 **(Pol)**

PINEALOMA

DIAGNOSIS

Stereotaxic exploration and biopsy of tumours in the region of the tentorial hiatus. Scarabin JM, et al. **J Neuroradiol** 5(1):57–68, Mar 78 **(Eng, Fre)**

PATHOLOGY

[Pathology of the brain tumor (author's transl)] Ishida Y. **Neurol Med Chir (Tokyo)** 18(4):341–50, Jun 78 **(Jpn)**

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NEUROENDOCRINOLOGY

III. Neuroendocrine System Hormones, Precursors, Metabolites and Synthetic Analogs

CORTICOTROPIN RELEASING HORMONE

ANALYSIS

Demonstration of 'big' CRF (corticotrophin-releasing factor) in bovine hypophyseal stalk. Yasuda N, et al. **Biochem Biophys Res Commun** 81(4):1187-94, 28 Apr 78

BLOOD

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CHEMICAL SYNTHESIS

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MSH RELEASE INHIBITING HORMONE

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MSH RELEASING HORMONE

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PITUITARY HORMONE RELEASE INHIBITING HORMONES

PHARMACODYNAMICS

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PITUITARY HORMONE RELEASING HORMONES

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A study of the effects of gonadotropin–releasing hormone on human mood and behavior. McAdoo BC, et al. **Psychosom Med** 40(3):199–209, May 78

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CELL MEMBRANE, analysis/ CHROMATOGRAPHY, AFFINITY, methods/ CHROMATOGRAPHY, GEL/ HUMAN/ IODINE RADIOISOTOPES/ *RECEPTORS, HORMONE, isolation & purification/ THYROID GLAND, ultrastructure/ *THYROTROPIN/ TRITONS

CHROMATOGRAPHY, GAS

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METHODS

An improved method for analysis of catecholamines--gas-liquid chromatography (GLC) equipped with electron-capture detector. Kawano T, et al. **Jpn J Pharmacol** 28(1):168–71, Feb 78
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[The urinary excretion of pregnanediol during pregnancy determined by gas–liquid chromatography. I. Its evolution throughout the normal and pathological pregnancy (author's transl)] Acien P, et al. **Reproduccion** 3(3–4):207–17, Jul–Dec 76 (Eng. Abstr.) **(Spa)**
CHROMATOGRAPHY, GAS, methods/ CHROMATOGRAPHY, LIQUID, methods/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ PREGNANCY COMPLICATIONS, diagnosis/ *PREGNANCY COMPLICATIONS, urine/ PREGNANCY/ *PREGNANEDIOL, urine/ STERILITY, FEMALE, diagnosis/ STERILITY, FEMALE, urine

CHROMATOGRAPHY, GEL

Measurements of somatostatin-like immunoreactivity in plasma. Harris V, et al. **Clin Chim Acta** 87(2):275–83, 15 Jul 78
ANIMAL/ BLOOD PROTEINS, metabolism/ CHROMATOGRAPHY, AFFINITY/ CHROMATOGRAPHY, GEL/ CROSS REACTIONS/ DOGS/ EVALUATION STUDIES/ METHODS/ MOLECULAR WEIGHT/ PROTEIN BINDING/ RADIOIMMUNOASSAY/ *SOMATOTROPIN RELEASE INHIBITING HORMONE, blood/ SOMATOTROPIN RELEASE INHIBITING HORMONE, immunology/ TIME FACTORS/ U.S. GOV'T SUPPORTED, N.I.H./ U.S. GOV'T SUPPORTED, NON-N.I.H.

Use of solubilized radioiodinated thyroid plasma membranes for purification of TSH-receptor by affinity chromatography. Fenzi GF, et al. **FEBS Lett** 88(2):292–4, 15 Apr 78
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[Fluorometric method of determining urinary estrogens] Stefanova T, et al. **Eksp Med Morfol** 17(2):104–8, 1978 (Eng. Abstr.) **(Bul)**
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METHODS

Application of ion-exchange and lipophilic-gel chromatography to the purification and group fractionation of steroidal spirolactones, isolated from biological fluids. Boreham DR, et al. **J Chromatogr** 153(1):63–75, 1 Jun 78
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Simultaneous determination of plasma 11-deoxycorticosterone, 18-hydroxy-11-deoxycorticosterone, and aldosterone in man. Ojima M, et al. **Tohoku J Exp Med** 124(4):367–79, Apr 78
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CHROMATOGRAPHY, HIGH SPEED LIQUID

Stability-indicating methods for quantitative determination of spironolactone using high-pressure liquid chromatography and blue tetrazolium reaction. Das Gupta V, et al. **J Pharm Sci** 67(6):889–91, Jun 78
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METHODS

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CHROMATOGRAPHY, ION EXCHANGE

METHODS

Improved methods for isolating cortisol metabolites from neonatal urine. Derks HJ, et al. **Clin Chem** 24(7):1158–62, Jul 78
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Application of ion-exchange and lipophilic-gel chromatography to the purification and group fractionation of steroidal spirolactones, isolated from biological fluids. Boreham DR, et al. **J Chromatogr** 153(1):63–75, 1 Jun 78
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Pyroglutamyl-N3im-methyl-histidyl-prolineamide (methyl-thyrotrophin releasing hormone) in the rat hypothalamus. Pekary AE, et al. **J Endocrinol** 77(3):405–8, Jun 78
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analogs & derivatives/ THYROTROPIN RELEASING HORMONE, analysis/ U.S. GOV'T SUPPORTED, N.I.H./ U.S. GOV'T SUPPORTED, NON-N.I.H.

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Reversed-phase liquid chromatography of steroid glucuronides. Hermansson J. **J Chromatogr** 152(2):437–45, 21 May 78
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[The urinary excretion of pregnanediol during pregnancy determined by gas–liquid chromatography. I. Its evolution throughout the normal and pathological pregnancy (author's transl)] Acien P, et al. **Reproduccion** 3(3–4):207–17, Jul–Dec 76 (Eng. Abstr.) **(Spa)**
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CHROMATOGRAPHY, PAPER

[Radioimmunological determination of plasma aldosterone] Olgaard K, et al. **Ugeskr Laeger** 140(20):1151–4, 15 May 78 (Eng. Abstr.) **(Dan)**
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A radioimmuno–chromatographic scanning method for the analysis of testosterone conjugates in urine and serum. Puah CM, et al. **J Chromatogr** 145(2):247–55, 1 Mar 78
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A radioimmunoassay for 6-keto-prostaglandin F1alpha. Salmon JA. **Prostaglandins** 15(3):383–97, Mar 78
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[Determination of progesterone and delta 4-pregnen-20 alpha-ol-3-one contents in ovaries with two-dimensional thin-layer chromatography and spectrofluorimetry] Reznikov AG. **Ukr Biohk Zh** 50(3):372–6, May–Jun 78 (Eng. Abstr.) **(Rus)**
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Separation of androsterone from epiandrosterone, and dehydroepiandrosterone from its 3-hydroxy epimer by thin-layer chromatography. Tinschert W, et al. **J Chromatogr** 152(2):447–52, 21 May 78
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Fluorimetric assay of renin. Galen FX, et al. **Biochim Biophys Acta** 523(2):485–93, 12 Apr 78
COMPARATIVE STUDY/ KINETICS/ *RENIN, analysis/ SPECTROMETRY, FLUORESCENCE, methods/ SWINE

Negligible effects of nonesterified fatty acids on serum thyroxine analysis by competitive protein-binding radioassay on sephadex and by radioimmunoassay. Alexander NM, et al. **Clin Chem** 24(5):751–5, May 78
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A cell culture assay for follicle-stimulating hormone. Beers WH, et al. **J Biol Chem** 253(11):3877–81, 10 Jun 78
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A radioimmunoassay for testosterone in various biological fluids without chromatography. Corker CS, et al. **J Steroid Biochem** 9(4):373–4, Apr 78
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An improved radioimmunoassay for alpha-melanocyte-stimulating hormone (alpha-MSH) in the rat: serum and pituitary alpha-MSH levels after drugs which modify catecholaminergic neurotransmission. Penny RJ, et al. **Neuroendocrinology** 25(4):193–203, 1978
ANIMAL/ CATECHOLAMINES, physiology/

COMPARATIVE STUDY/ FEMALE/ HALOPERIDOL, pharmacodynamics/ METHYLTYROSINES, pharmacodynamics/ *MSH, analysis/ MSH, blood/ MSH, metabolism/ *NEURAL TRANSMISSION, drug effects/ *PITUITARY GLAND, metabolism/ RADIOIMMUNOASSAY, methods/ RATS/ 2-BROMOERGOCRYPTINE, pharmacodynamics

Evaluation of the double antibody-solid phase radioimmunoassay technique in plasma LH and FSH and urinary LH measurements. Karonen SL, et al. **Scand J Clin Lab Invest** 38(2):97–106, Apr 78
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[Estrotec Mochida study of estrioluria in nephropathia gravidarum] Georgieva M, et al. **Akush Ginekol (Sofiia)** 17(2):104–7, 1978 (Eng. Abstr.) **(Bul)**
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[Diagnostic value and methodological problems in butanol-extractable iodine (BEI) determination] Köhler H, et al. **Z Med Lab Diagn** 19(1):12–4, 2 Feb 78 (Eng. Abstr.) **(Ger)**
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[Serum triiodothyronine determination. Comparison with other thyroid function test values] Sakai Y, et al. **Kaku Igaku** 15(1):117–22, Feb 78 **(Jpn)**
COMPARATIVE STUDY/ HUMAN/ *RADIOIMMUNOASSAY, methods/ THYROID DISEASES, blood/ THYROXINE, blood/ *TRIIODOTHYRONINE, blood

[A study on T4RIA kit II with polyethylene glycol (PEG) (author's transl)] Kurihara S, et al. **Radioisotopes** 27(3):146–9, Mar 78 **(Jpn)**
BLOOD PRESERVATION/ COMPARATIVE STUDY/ EVALUATION STUDIES/ HUMAN/ NORMAL VALUES/ *POLYETHYLENE GLYCOLS/ POLYETHYLENE GLYCOLS, diagnostic use/ *RADIOIMMUNOASSAY, methods/ *REAGENT KITS, DIAGNOSTIC/ REFRIGERATION/ TEMPERATURE/ *THYROXINE, blood/ TIME FACTORS

[Determination of serum thyroxine using RIA-gnost T4 (author's transl)] Mikuni T. **Radioisotopes** 27(4):210–2, Apr 78 **(Jpn)**
COMPARATIVE STUDY/ EVALUATION STUDIES/ HUMAN/ POLYETHYLENE GLYCOLS, diagnostic use/ *RADIOIMMUNOASSAY, methods/ *REAGENT KITS, DIAGNOSTIC/ THYROID DISEASES, blood/ *THYROXINE, blood

[The urinary excretion of pregnanediol during pregnancy determined by gas-liquid chromatography. I. Its evolution throughout the normal and pathological pregnancy (author's transl)] Acien P, et al. **Reproduccion** 3(3–4):207–17, Jul–Dec 76 (Eng. Abstr.) **(Spa)**
CHROMATOGRAPHY, GAS, methods/ CHROMATOGRAPHY, LIQUID, methods/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ PREGNANCY COMPLICATIONS, diagnosis/ *PREGNANCY COMPLICATIONS, urine/ PREGNANCY/ *PREGNANEDIOL, urine/ STERILITY, FEMALE, diagnosis/ STERILITY, FEMALE, urine

DENSITOMETRY, X-RAY

Assessment of bone mineral content of lumbar vertebrae by radiographic densitometry. Imamura K, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 38(2):111–9, 25 Feb 78
*BONE AND BONES, analysis/ *DENSITOMETRY, X-RAY/ DENSITOMETRY, X-RAY, methods/ HUMAN/ *LUMBAR VERTEBRAE, radiography/ *MINERALS, analysis

METHODS

Assessment of bone mineral content of lumbar vertebrae by radiographic densitometry. Imamura K, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 38(2):111–9, 25 Feb 78
*BONE AND BONES, analysis/ *DENSITOMETRY, X-RAY/ DENSITOMETRY, X-RAY, methods/ HUMAN/ *LUMBAR VERTEBRAE, radiography/ *MINERALS, analysis

DIAGNOSIS, LABORATORY

METHODS

[Hormone analysis in a graded system of laboratory diagnosis] Hubl W, et al. **Dtsch Gesundheitsw** 33(24):1131–5, 1978 (Eng. Abstr.) **(Ger)**
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DIALYSIS

An immunological method for the purification of radiolabelled thyroxine. Cooper E, et al. **Clin Chim Acta** 86(1):51–9, 16 May 78
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ELECTROPHORESIS

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FILTRATION

[In vitro tests for the reduction of high norepinephrine, barbiturate and bromide concentrations in blood by hemofiltration (author's transl)] Beer H, et al. **Arzneim Forsch** 28(3):469–71, 1978 (Eng. Abstr.) **(Ger)**
*BARBITURATES, blood/ *BROMIDES, blood/ ENGLISH ABSTRACT/ *FILTRATION/ HUMAN/ IN VITRO/ METHODS/ *NOREPINEPHRINE, blood

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A simple radioimmunoassay for plasma cortisol. Seth J, et al. **Clin Chim Acta** 86(1):109–20, 16 May 78

ANTIBODY SPECIFICITY/ FLUOROMETRY/ HUMAN/ *HYDROCORTISONE, blood/ HYDROCORTISONE, immunology/ HYDROGEN-ION CONCENTRATION/ METHODS/ RABBITS, immunology/ RADIOIMMUNOASSAY/ TIME FACTORS

HEMAGGLUTINATION INHIBITION TESTS

Rapid assays of urinary estriol in pregnant women. Miyakawa I, et al. **Int J Gynaecol Obstet** 15(4):291–5, 1978
*ESTRIOL, urine/ EVALUATION STUDIES/ FEMALE/ HEMAGGLUTINATION INHIBITION TESTS/ HUMAN/ METHODS/ *PREGNANCY/ SPECTROPHOTOMETRY

IMMUNOASSAY

The international reference preparation of human pituitary luteinizing hormone, for immunoassay. Storring PL, et al. **Acta Endocrinol (Kbh)** 88(2):250–9, Jun 78
ANIMAL/ BIOLOGICAL ASSAY/ FEMALE/ FSH, analysis/ FSH, standards/ HUMAN/ *IMMUNOASSAY/ LH, analysis/ *LH, standards/ MALE/ METHODS/ RADIOLIGAND ASSAY

IMMUNOCHEMISTRY

METHODS

[Estrotec Mochida study of estrioluria in nephropathia gravidarum] Georgieva M, et al. **Akush Ginekol (Sofiia)** 17(2):104–7, 1978 (Eng. Abstr.) (Bul)
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MASS FRAGMENTOGRAPHY

METHODS

Exchange of oxime functions: a useful reaction in GC–ms analysis of steroids. Axelson M. **Anal Biochem** 86(1):133–41, May 78
KINETICS/ *MASS FRAGMENTOGRAPHY, methods/ *OXIMES/ *STEROIDS, analysis/ STRUCTURE-ACTIVITY RELATIONSHIP

MICROCHEMISTRY

A micro-scale method for liquid scintillation counting, applicable to radioimmunoassay of steroids and substances of comparable relative molecular mass. Grotjan HE Jr, et al. **Clin Chem** 24(7):1193–5, Jul 78
COSTS AND COST ANALYSIS/ MICROCHEMISTRY/ *RADIOIMMUNOASSAY, methods/ SCINTILLATION COUNTERS, economics/ *STEROIDS, analysis/ TESTOSTERONE, analysis/ TRITIUM/ U.S. GOV'T SUPPORTED, N.I.H.

A general procedure for estimation of corticosteroid response in individual rats. Keith LD, et al. **Steroids** 31(4):523–31, Apr 78
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METHODS

A radioenzymatic method to measure picogram amounts of dopamine and 3,4-dihydroxyphenylacetic acid (DOPAC) in small samples of brain tissue. Argiolas A, et al. **Experientia** 34(6):739–41, 15 Jun 78
ANIMAL/ *BRAIN CHEMISTRY/ CATECHOL METHYLTRANSFERASE/ CAUDATE NUCLEUS, analysis/ *DOPAMINE, analysis/ HYPOTHALAMUS, analysis/ METHYLATION/ MICROCHEMISTRY, methods/ *PHENYLACETATES, analysis/ RATS/ SUBSTANTIA NIGRA, analysis/ *3,4-DIHYDROXYPHENYLACETIC ACID, analysis

PRECIPITATION

The activated hepatic glucocorticoid-receptor complex: a simple one-step method for its separation from nonactivated complex. Kalimi M. **Anal Biochem** 86(1):166–74, May 78
ANIMAL/ *LIVER, analysis/ METHODS/ PRECIPITATION/ PROTAMINES/ RATS/ *RECEPTORS, GLUCOCORTICOID, isolation & purification/ RECEPTORS, GLUCOCORTICOID, metabolism/ *RECEPTORS, STEROID, isolation & purification/ TEMPERATURE

PROTEIN BINDING

Negligible effects of nonesterified fatty acids on serum thyroxine analysis by competitive protein–binding radioassay on sephadex and by radioimmunoassay. Alexander NM, et al. **Clin Chem** 24(5):751–5, May 78
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A

A-23187: 914, 1099, 1252, 2934, 3064, 3228, 3280, 4177, 4293
ABDOMEN: 842, 2856, 4167
ABDOMEN, ACUTE: 2577, 4071
ABDOMINAL NEOPLASMS: 475, 563, 613, 2515, 3322, 4282
ABDOMINAL WALL: 508, 605, 955, 4296
ABNORMALITIES: 1517, 2060, 2086, 2211, 2634, 2808, 3017, 3287
ABNORMALITIES, DRUG-INDUCED: 425, 813, 1380, 1560, 1870, 2339, 3520, 3663, 4443
ABNORMALITIES, MULTIPLE: 286, 459, 495, 605, 813, 1019, 1092, 1126, 1522, 1626, 1808, 2083, 2142, 2147, 2192, 2616, 3499, 3544, 3744, 3849, 3935, 4046, 4145
ABO BLOOD-GROUP SYSTEM: 2440, 3726
ABOMASUM: 1071
ABORTIFACIENT AGENTS: 188, 238
ABORTIFACIENT AGENTS, NON-STEROIDAL: 188
ABORTION: 45, 293, 510, 711, 826, 1061, 1997, 2663, 2889, 3569
ABORTION, HABITUAL: 1499
ABORTION, INDUCED: 1162, 1576, 1838, 3294-3295, 3599, 3727
ABORTION, LEGAL: 2249
ABORTION, MISSED: 281
ABORTION, THERAPEUTIC: 1228, 1871, 1915, 3112, 4154
ABORTION, THREATENED: 45, 398, 1998
ABRUPTIO PLACENTAE: 2808
ABSCESS: 1348, 2308, 2714
ABSORPTION: 315, 997, 2102, 4387-4390
ACANTHOSIS NIGRICANS: 1974, 2460, 3180
ACCELERATION: 4084
ACCLIMATIZATION: 405, 2289
ACEBUTOLOL: 55, 2276
ACETABULARIA: 2682
ACETAMINOPHEN: 496, 536, 551
ACETATES: 462, 661, 868, 1977, 2043, 2133, 3529, 3911
ACETIC ACID ESTERS: 2657
ACETIC ACIDS: 39, 4006
ACETOACETATES: 1584
ACETONITRILES: 1216, 2057, 2327, 3067, 3223
ACETYL COA CARBOXYLASE: 919
ACETYLAMINOFLUORENE: 2312
ACETYLATION: 3911
ACETYLCHOLINE: 14, 240, 292, 356, 626, 674, 1130, 1186, 1561, 1604, 1634, 1833, 1893, 1920, 1937, 1999, 2042, 2072, 2089, 2472, 2683, 2877, 2976, 3355, 3422, 3467, 3507, 3621, 3644, 3734, 3848, 4036, 4293, 4318
ACETYLCHOLINESTERASE: 111, 848, 1604, 1754, 2069, 2254, 2823, 2976, 3183, 3359, 3649
ACETYLGLUCOSAMINIDASE: 975, 1258, 2937, 3438
ACETYLTRANSFERASES: 338, 4245
ACHLORHYDRIA: 2591, 3225
ACHONDROPLASIA: 1559, 1896, 2147, 2447, 3635
ACID-BASE EQUILIBRIUM: 197, 1365, 1588, 3128, 4373
ACID PHOSPHATASE: 900, 909, 1258, 1496, 1782, 1821, 2492, 3013, 3344, 3518, 3899
ACIDOSIS: 2053, 3151
ACIDOSIS, DIABETIC: 219, 314, 562, 1748
ACIDOSIS, RENAL TUBULAR: 3316, 3573, 3693
ACNE: 1382, 3498, 3772, 3825
ACOUSTIC STIMULATION: 1187
ACRIDINES: 2107, 2516, 2626
ACRODERMATITIS: 119
ACROMEGALY: 140, 1079, 1101, 1215, 1303, 1923, 1974, 2057, 2229, 2992, 3081, 3514, 3652
ACROMIOCLAVICULAR JOINT: 2675
ACROSIN: 4375
ACROSOME: 3943, 4375
ACTIN: 2402, 2948, 3160, 3943, 4143-4144, 4398
ACTING OUT: 733
ACTINOMYCIN: 833
ACTION POTENTIALS: 59, 356, 443, 772, 1052, 1094, 1130, 1327, 2035, 2594, 3306, 3780, 3941, 4135
ACTIVITIES OF DAILY LIVING: 2744
ACTIVITY CYCLES: 4352
ACTOMYOSIN: 3976
ACUTE DISEASE: 9, 170, 366, 477, 682, 1527, 1596, 1825, 2046, 2145, 2500, 2525, 2984, 3167, 3230, 3403, 3593, 3895, 3968, 3994, 4063, 4120, 4164, 4167, 4378
ACYLATION: 8, 353, 2657
ACYLTRANSFERASES: 542, 4339
ADAPTATION, OCULAR: 1117
ADAPTATION, PHYSIOLOGICAL: 724, 1400, 1684, 2397, 2539, 2918, 3000, 3048, 3273, 4258-4259
ADAPTATION, PSYCHOLOGICAL: 945, 3418, 3771
ADDISON'S DISEASE: 1485, 1671, 1969, 2513, 2859, 2885, 3180, 3333, 3610, 3872, 4047, 4329
ADENINE: 4026
ADENINE NUCLEOTIDES: 356, 1253, 1464, 2072, 2216, 2896
ADENOCARCINOMA: 5, 50, 90, 159, 265, 349, 493, 909, 1017, 1031, 1038, 1040, 1135, 1244, 1329, 1350, 1363, 1401, 1472, 1783, 1814, 1934, 2014, 2143, 2156, 2171, 2239, 2435, 2451, 2607, 2695, 2809, 2899, 3027, 3147, 3331, 3390, 3508, 3673, 3859, 3949, 4021, 4393, 4438
ADENOCARCINOMA, PAPILLARY: 159, 1401, 1929, 3002, 3859, 4021
ADENOFIBROMA: 2951, 3075
ADENOLYMPHOMA: 527
ADENOMA: 50, 88, 92, 349, 355, 357, 371, 376, 445, 468, 531, 613, 632, 742, 828, 976, 999, 1147, 1307, 1353, 1413, 1578, 1679, 1720, 1724, 1800, 1876, 1931, 1961, 1984, 2012, 2014, 2045-2046, 2052, 2138, 2230, 2261, 2446, 2526, 2614, 2644, 2646, 2791, 2809, 2867, 2966, 3016, 3081, 3134, 3245, 3274, 3475, 3478, 3571, 3613, 3620, 3652, 3783, 3822, 3825, 3847, 3859, 3949, 3971, 4088, 4284, 4300
ADENOMA, BASOPHILIC: 3980
ADENOMA, CHROMOPHOBE: 123, 690, 1215, 1262, 2229, 2300, 2400, 2517, 2717, 2740, 3426, 3860, 3945
ADENOMA, EOSINOPHILIC: 1004, 1898, 2300, 2992, 3945
ADENOMA, VIRILIZING: 85, 1740, 4052
ADENOMATOSIS, FAMILIAL ENDOCRINE: 376, 558, 2871
ADENOSINE: 168, 776, 1727, 2072, 2194, 2922, 3530, 3532, 3780, 4026
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE: 32, 42, 47, 83, 125, 147, 152, 161, 166, 168, 193, 204, 216, 248, 276, 304, 322, 324, 347-348, 350, 384, 393, 426, 447, 462, 530, 533, 539, 578, 598, 607, 631, 659, 663, 707, 724, 726, 757-758, 761-762, 780, 844, 862-863, 887, 895, 914, 919, 933, 985, 991, 993, 1005, 1010, 1013-1014, 1056, 1067, 1098-1099, 1155, 1170, 1174-1175, 1193, 1220, 1232, 1275, 1299, 1302, 1326, 1332, 1337, 1352, 1377-1379, 1397, 1414, 1437-1438, 1452-1454, 1464, 1476-1477, 1483, 1523, 1565, 1575, 1587, 1592, 1601, 1630, 1653, 1666, 1690, 1695, 1707, 1727, 1793, 1820, 1822, 1835, 1945, 1960, 1967, 1985-1986, 1992, 2019, 2046, 2072, 2111, 2115, 2119, 2149, 2183, 2193, 2196-2198, 2208, 2218, 2232, 2239, 2274, 2277, 2285, 2289, 2307, 2309, 2319, 2340, 2347, 2351, 2362, 2375, 2385-2386, 2429, 2468, 2490, 2508, 2510, 2512, 2523, 2534, 2554-2555, 2570, 2582, 2600, 2602, 2654, 2673, 2682, 2716, 2766, 2783, 2791, 2823, 2837, 2845, 2866, 2894, 2896, 2918, 2922, 2935, 2987, 2989-2990, 3011, 3035, 3057, 3064, 3105, 3120, 3131, 3140, 3153, 3165, 3183, 3215, 3222, 3227, 3229, 3231, 3255, 3280, 3327, 3334, 3384-3385, 3400-3401, 3477, 3496, 3501, 3506, 3525, 3530, 3532, 3536, 3543, 3603, 3653, 3660, 3679-3680, 3708, 3731, 3749, 3758, 3793, 3807, 3832, 3834, 3836, 3844, 3857, 3884, 3886, 3906, 3921, 3928, 3948, 3961, 3983, 4008, 4017, 4026, 4032, 4044, 4054, 4057-4058, 4075, 4127, 4129-4130, 4139, 4143-4144, 4151, 4182, 4193, 4199, 4201, 4232, 4251, 4256, 4279, 4288-4290, 4312, 4336, 4364, 4371, 4380, 4384
ADENOSINE DEAMINASE: 3532, 4193, 4361
ADENOSINE DIPHOSPHATE: 919, 1018, 1258, 1565, 1745, 1978, 3813, 4026, 4222
ADENOSINE DIPHOSPHATE SUGARS: 593
ADENOSINE MONOPHOSPHATE: 919, 3280, 3780, 4026
ADENOSINE TRIPHOSPHATASE: 127, 244, 694, 871, 1018, 1085, 1151, 1157, 1255, 1280, 1359, 1474, 1854, 1978, 1982, 2054, 2188, 2223, 2363, 2402, 2404, 2410, 2456, 2598, 2772, 2948, 2982, 3120, 3160, 3170, 3194, 3228, 3472, 3488, 3553, 3720, 3836, 3863, 4000, 4081, 4162, 4312, 4328, 4346, 4397
ADENOSINE TRIPHOSPHATE: 175, 244, 462, 484, 713, 758, 919, 984, 1018, 1085, 1174, 1258, 1379, 1670, 1745, 1797, 1937, 1992, 2029, 2183, 2263, 2429, 2582, 2721, 2993, 3030, 3063, 3472, 3644, 3683, 4026, 4081, 4199, 4288, 4312
S-ADENOSYLMETHIONINE: 484, 548
S-ADENOSYLMETHIONINE DECARBOXYLASE: 1619
ADENYL CYCLASE: 29, 53, 168, 204, 216, 323, 423, 481, 593, 610, 645, 659, 663, 705, 713, 726, 758, 776, 788, 1017, 1047, 1155, 1193, 1230, 1276, 1299, 1332, 1377, 1414, 1438, 1453, 1474, 1489-1490, 1523, 1552, 1625, 1646, 1653, 1752, 1773, 1793, 1822, 1841, 1931, 1973, 1981, 1986, 2001, 2019, 2029, 2124, 2194, 2274, 2309, 2313, 2362, 2385, 2497, 2510, 2555, 2716, 2721, 2759, 2853, 2880, 2961, 3088, 3098, 3105, 3168, 3183, 3338, 3501, 3512, 3537, 3656, 3677, 3687, 3696, 3708, 3714, 3773, 3793, 3838, 3873, 3906, 3921, 4032, 4075, 4107, 4142, 4188, 4208, 4232, 4289, 4297, 4398
ADENYLYL IMIDODIPHOSPHATE: 4288
ADHESIONS: 2016, 2437, 3968
ADIPOSE TISSUE: 125, 344, 394, 427, 747, 1014, 1317, 1455, 1547, 1873, 1973, 2077, 2320, 2470, 2676, 3123, 3131, 3137, 3496, 3537, 3773, 4058, 4255
ADJUVANTS, IMMUNOLOGIC: 66, 1082
ADMINISTRATION, INTRANASAL: 940, 3358, 4432
ADMINISTRATION, ORAL: 118, 536, 576, 931, 1165, 1444, 1475, 1493, 1541, 1747, 1825, 2041, 2419, 2488, 2665, 2774, 2928, 3583, 3851, 3965, 4277
ADMINISTRATION, TOPICAL: 953, 1654, 1823, 2016, 2073, 2215, 2437, 3032, 3259, 3348, 3617, 4265, 4412
ADNEXA UTERI: 3240-3241
ADNEXAL DISEASES: 1093, 2714, 3240, 4155
ADNEXITIS: 3240, 3640
ADOLESCENCE: 24, 27, 44, 64, 69, 81, 84, 87, 91, 94, 114, 117, 146, 156, 159, 165, 185-186, 189, 191, 203, 205, 208, 211-212, 221, 225, 254, 262, 277, 307, 311, 332, 345, 360, 375, 377-378, 387, 395, 401, 418, 427-429, 436, 445, 448-449, 455, 477, 479, 495, 514, 536, 560, 562-563, 571, 581, 590, 595, 601, 619, 637, 641, 648, 682, 695, 707, 719, 725, 742, 746, 768, 779, 785, 801, 805, 811, 838, 850, 879, 886, 910, 927, 930, 940, 945, 960, 970, 992, 998, 1039, 1080, 1095, 1123, 1138, 1143, 1163, 1171, 1188, 1195, 1203, 1206, 1212, 1215, 1245, 1249, 1296, 1308, 1313, 1328, 1334, 1351, 1393, 1407, 1422, 1426-1428, 1457, 1472, 1492, 1526, 1559, 1569, 1573, 1584, 1616, 1618, 1626-1627, 1663, 1676, 1697, 1702, 1704, 1711, 1717, 1721, 1731, 1740-1741, 1778, 1806, 1819-1820, 1838, 1862, 1866, 1873, 1901-1902, 1940, 1982, 1984, 1990, 2019, 2025, 2046, 2052, 2073, 2081-2082, 2101, 2130, 2150, 2159, 2161, 2174, 2195, 2226, 2230, 2242, 2268, 2276, 2304, 2324, 2328, 2376, 2381, 2398, 2424-2425, 2447, 2452, 2454, 2462, 2485, 2487, 2493-2495, 2498, 2506, 2513, 2517, 2536, 2540, 2557, 2569, 2573-2574, 2589, 2610-2611, 2616, 2621, 2629, 2644, 2649, 2651, 2669, 2685, 2717, 2725, 2736, 2741, 2747, 2754, 2760, 2776-2777, 2786, 2790, 2800, 2829, 2831, 2850-2851, 2859, 2865, 2912, 2931, 2947, 2949, 2960, 2971, 2974, 2992, 2996, 3016, 3027-3028, 3046-3048, 3078, 3101, 3110, 3141, 3171, 3173, 3180, 3197, 3210, 3224, 3234, 3240, 3256, 3279, 3281, 3287, 3304, 3317-3318, 3323, 3327, 3332, 3343, 3348-3350, 3372, 3377, 3390, 3393-3394, 3399, 3405, 3426, 3434, 3469-3470, 3476, 3487, 3495, 3498, 3513, 3527, 3531, 3554, 3591, 3594, 3599-3601, 3618, 3664, 3674, 3702, 3719, 3723-3724, 3741-3742, 3751, 3760, 3772, 3816, 3825, 3833, 3843, 3860-3861, 3869, 3900-3901, 3908, 3910, 3913, 3920, 3931, 3936, 3945, 3971, 3975, 3988, 3991, 3994, 4021, 4024, 4035, 4040, 4044, 4049-4050, 4052, 4060, 4082-4083, 4085, 4098, 4104, 4115, 4127, 4161, 4179, 4195, 4202, 4204, 4221, 4234, 4289, 4300, 4347, 4356, 4368, 4378, 4381, 4383, 4402, 4405, 4417, 4430, 4432, 4439
ADRENAL CORTEX: 96, 130, 150, 367, 416, 441, 446, 681, 759, 916, 939, 1020, 1220, 1367,

1430, 1483, 1497, 1695, 1740, 1767, 1782, 1818, 1874, 1963, 2010–2011, 2105, 2127, 2155, 2418, 2446, 2513, 2715, 2822, 2865–2866, 2882, 2917, 2925, 2940, 2944, 3039, 3091, 3158, 3176, 3344, 3392, 3578, 3594, 3924, 3971, 4099, 4219
ADRENAL CORTEX DISEASES: 828, 1149, 1371, 4082
ADRENAL CORTEX FUNCTION TESTS: 65, 130, 2324, 2715, 3039, 3151, 3594, 3874, 3885
ADRENAL CORTEX HORMONES: 33, 129, 158, 199, 208, 283, 319, 437, 469, 483, 504, 553, 680, 759, 818, 820–821, 832, 901, 938, 945, 967, 1001, 1021–1022, 1048, 1214, 1298, 1307, 1358, 1360, 1367, 1380, 1427, 1456, 1460, 1500, 1505, 1654, 1662, 1696, 1709, 1711, 1823–1824, 1830, 1855, 1936, 1980, 2026, 2070, 2151, 2160, 2172, 2436, 2465, 2511, 2539, 2545, 2656, 2690, 2696, 2715, 2738, 2744, 2765, 2814, 2829, 2831, 2890–2891, 2906, 2944, 2979, 3049, 3059, 3142, 3154, 3237, 3259, 3266, 3274–3275, 3303, 3307, 3372, 3493, 3533, 3617, 3637, 3651, 3666, 3722–3724, 3754, 3765, 3887, 3897, 3900, 3923, 3934, 3982, 3987–3988, 4046, 4149, 4219, 4221, 4271, 4400, 4408, 4437
ADRENAL CORTEX NEOPLASMS: 85, 371, 828, 1147, 1346, 2446, 2452, 2644, 2786, 2944, 3620, 3829, 3932, 3971, 4052
ADRENAL GLAND DISEASES: 376, 455, 632, 654, 828, 1348, 1830, 2548, 3108, 3151, 3391, 3425, 4047, 4082
ADRENAL GLAND HYPERFUNCTION: 139, 685, 828, 1227, 1526, 2748, 3013, 3335, 4148
ADRENAL GLAND HYPOFUNCTION: 65, 132, 1265, 2040, 2265, 2318, 2651, 2715, 2933, 3238
ADRENAL GLAND NEOPLASMS: 85, 105, 371, 442, 466, 471, 616, 632, 742, 769, 828, 874, 1164, 1334, 1346, 1437, 1519, 1533, 1740, 2082, 2446, 2452, 2479, 2591, 2707, 2735, 2786, 2852, 2944, 2966, 2971, 3173, 3230, 3274, 3333, 3492, 3505, 3575, 3620, 3701, 3808, 3829, 3847, 3932, 3950, 3971, 4011, 4022, 4052–4053, 4071, 4091, 4159, 4175, 4282
ADRENAL GLANDS: 145, 163, 177, 214, 274, 283, 296, 454, 632, 686–688, 698, 714, 742, 745, 820, 824, 840, 928, 1076, 1128, 1214, 1225, 1292, 1362, 1383, 1404, 1431, 1459, 1471, 1524, 1546, 1551, 1649, 1818, 1830, 1833, 1916, 1988, 2005, 2046, 2154, 2160, 2311, 2318, 2336, 2418, 2479, 2548, 2570, 2615, 2684, 2712, 2734, 2737, 2882, 2894, 2966, 3043, 3074, 3126, 3149, 3278, 3295, 3359, 3391, 3492, 3537, 3588, 3622, 3689, 3744, 3790, 3868, 3924, 3945, 3953, 4083, 4139, 4175, 4218, 4226, 4264, 4280, 4345, 4379
ADRENAL MEDULLA: 313, 654, 1284, 1290, 1477, 1606, 1621, 1661, 1918, 2042, 2264, 2919, 3151, 3158, 3638, 4183, 4229, 4336, 4398
ADRENALECTOMY: 28, 93, 96, 123, 145, 296, 299, 364, 370, 374, 745, 767, 821, 828, 916, 960, 1096, 1147, 1226, 1358, 1551, 1645, 1968, 2218, 2222, 2418, 2446, 2453, 2717, 2762, 2801, 2820, 2861, 2863, 2872, 2882, 2991, 3008, 3074, 3336, 3392, 3396, 3494, 3622, 3662, 3790, 3813, 4011, 4052, 4304, 4307, 4345, 4379
ADRENERGIC ALPHA RECEPTOR AGONISTS: 1841, 2990, 3285
ADRENERGIC ALPHA RECEPTOR BLOCKADERS: 471, 1841, 1885, 2327, 3001, 3629, 4057
ADRENERGIC BETA RECEPTOR AGONISTS: 1612, 1759, 1841, 2307, 2990, 3001, 3131, 3285, 4208, 4297
ADRENERGIC BETA RECEPTOR BLOCKADERS: 29, 278, 296, 451, 471, 497, 1239, 1547, 1759, 1841, 1885, 1973, 2428, 2781, 2888, 3001, 3088, 3146, 3196, 3327, 4057, 4183, 4208, 4246, 4297
ADRENERGIC FALSE TRANSMITTERS: 858
ADRENERGIC FIBERS: 373, 1295, 1459, 2336, 2727
ADRENOCHROME: 391, 2361
ADRENODOXIN: 1767
ADRENOGENITAL SYNDROME: 442, 828, 1346, 1817, 2303, 2401, 2644, 2839, 3192, 3431
ADSORPTION: 956, 2814
ADULT: 6, 10, 15, 17–19, 22, 24, 26–27, 33, 37, 43, 45, 55–56, 61, 64, 71, 81, 84, 86, 91–92, 95, 101, 107, 116–117, 121, 123, 132–133, 144, 148, 156, 159, 164–165, 170, 185–187, 189, 191, 198, 200, 203, 205, 219, 221, 225, 227, 232, 239, 241, 255, 265, 272, 276, 280, 284, 288–289, 295–296, 307, 310, 328, 332–333, 340, 345, 357, 360, 369, 371, 373, 375–379, 385, 387, 391, 401–403, 409, 418, 428, 431–433, 440, 445, 450, 465, 468, 477, 479, 482, 486, 489, 495–496, 515, 526, 530, 536, 558, 560–563, 572, 575–576, 582, 587, 590, 595, 597, 600, 603, 613, 619, 621–622, 632, 641, 650, 654, 666–667, 682, 684, 690, 693, 695, 704, 708, 711, 719, 722, 725, 734, 737–739, 742, 746, 752, 755, 763, 768, 771, 779, 782, 785, 791, 793, 801, 804–806, 811–812, 823, 828, 861–862, 869, 876, 879–880, 883, 885–886, 889, 896, 911, 923, 927, 930, 938–940, 945, 958, 960, 971, 989, 992, 999, 1001, 1016, 1023, 1026–1027, 1031, 1038, 1040, 1054–1055, 1059, 1068–1069, 1077, 1080, 1086, 1095, 1101, 1103, 1112, 1123, 1132, 1134–1135, 1138, 1141, 1143–1144, 1156, 1159, 1162–1163, 1165, 1171, 1192, 1195, 1198, 1215, 1221, 1228, 1231, 1238–1239, 1249, 1257, 1260–1261, 1281, 1283, 1285–1286, 1296, 1313, 1315, 1319, 1328, 1334–1335, 1344, 1351, 1363, 1385, 1393, 1405–1407, 1412, 1422, 1428, 1433, 1436, 1438, 1441–1442, 1460, 1472, 1485, 1499, 1509, 1526, 1538, 1543, 1548, 1553, 1559, 1569, 1573–1574, 1578, 1583, 1585, 1610, 1618, 1626, 1633, 1635, 1638–1639, 1652, 1654, 1656, 1660, 1663–1664, 1668, 1671, 1675–1676, 1679, 1692, 1694, 1696, 1702, 1704, 1711–1712, 1715, 1717, 1719, 1721–1722, 1724, 1729, 1731, 1736, 1741, 1746, 1755–1756, 1764–1765, 1772, 1776, 1778, 1784, 1790, 1795, 1798, 1800, 1804–1806, 1819, 1838, 1840, 1844, 1851, 1856, 1860, 1862, 1866, 1871, 1873–1875, 1879, 1884, 1892, 1897, 1901–1902, 1911, 1913–1915, 1923, 1929, 1931, 1935–1936, 1940–1942, 1944, 1950, 1954–1955, 1961, 1966, 1968–1969, 1979–1980, 1990, 2013–2014, 2018–2019, 2025, 2027–2028, 2033, 2038, 2045–2046, 2052, 2055, 2057, 2060, 2069, 2081–2082, 2085–2086, 2088, 2090–2091, 2093, 2097, 2101, 2104, 2122, 2125–2126, 2140, 2153, 2156, 2159, 2167, 2174, 2179, 2181–2182, 2193, 2201, 2209, 2221, 2225, 2229–2230, 2238, 2248, 2256, 2258, 2261–2262, 2265, 2268, 2276, 2282, 2284, 2287, 2293, 2300, 2302, 2304, 2307–2308, 2324, 2326, 2328, 2332, 2335, 2343, 2352, 2367, 2372, 2376, 2381, 2387, 2398–2400, 2407, 2409, 2415, 2417–2418, 2423, 2425, 2430, 2441, 2451–2454, 2458, 2462, 2479, 2485–2487, 2489, 2494–2496, 2498, 2507, 2513, 2517, 2535–2536, 2540–2543, 2546, 2567–2569, 2573–2574, 2577, 2591, 2597, 2599, 2603, 2607, 2610–2611, 2616, 2620, 2628–2629, 2635, 2637, 2642, 2644, 2646, 2648–2649, 2669, 2672, 2675, 2691, 2695, 2700, 2706, 2710, 2717, 2726, 2736, 2738–2739, 2741, 2744, 2747–2748, 2750, 2754, 2761, 2763, 2767, 2770, 2773–2774, 2776–2777, 2790, 2799–2800, 2809, 2813, 2819, 2829, 2832, 2848, 2852, 2859, 2865, 2888, 2894, 2897, 2913–2914, 2923, 2931, 2936, 2939, 2944–2945, 2947, 2949, 2951, 2954, 2960, 2966–2967, 2971, 2974, 2979, 2981, 2985, 2996, 3003, 3005, 3011, 3016, 3020, 3024–3025, 3027, 3031, 3039, 3041, 3044, 3046–3048, 3060, 3065, 3072–3073, 3081, 3087, 3091, 3099, 3101, 3104, 3107, 3110, 3112, 3118, 3121, 3142–3143, 3148, 3154, 3171–3173, 3182, 3188, 3195, 3197, 3201, 3208–3210, 3212–3213, 3216, 3218, 3226, 3232–3233, 3235, 3240, 3243, 3254, 3256, 3266, 3274–3275, 3277, 3279, 3281, 3286, 3299, 3304, 3307, 3313, 3317–3319, 3323, 3327, 3329, 3335, 3343, 3348, 3350, 3352, 3361, 3364, 3367, 3372, 3376, 3378, 3381, 3383, 3390, 3403, 3405, 3421, 3426, 3434, 3442, 3446–3447, 3449–3450, 3453, 3462–3463, 3469–3470, 3472, 3476, 3478, 3495, 3497–3498, 3503, 3505, 3513–3514, 3527, 3533–3534, 3546, 3549, 3554, 3567–3568, 3575, 3591, 3594–3595, 3599–3600, 3613, 3617–3618, 3620, 3647, 3657, 3664, 3666, 3671, 3673, 3676, 3681, 3693, 3705, 3712, 3719, 3723–3724, 3729, 3736, 3738, 3741, 3744, 3751, 3755–3756, 3760, 3763, 3767, 3770, 3772, 3774, 3778, 3784, 3786, 3802, 3804, 3806, 3816, 3822, 3825, 3829, 3831, 3833, 3843, 3853, 3859–3861, 3867–3869, 3874, 3883–3884, 3900, 3902, 3908–3910, 3912, 3920, 3932, 3937–3938, 3945, 3949, 3953–3954, 3958–3959, 3970–3971, 3974–3975, 3979, 3984, 3987–3990, 4014, 4024, 4030–4031, 4033, 4035, 4044, 4046–4047, 4049, 4051, 4063, 4072, 4074, 4082–4085, 4098, 4104, 4109, 4114–4116, 4118, 4122–4124, 4126–4127, 4152, 4159, 4163, 4167, 4172, 4179, 4191–4192, 4195, 4202, 4204, 4207, 4221, 4223, 4234, 4238, 4253–4254, 4263, 4273, 4276, 4280, 4287, 4289, 4294, 4299–4300, 4313–4314, 4317, 4325, 4330, 4335, 4344, 4347, 4356, 4358–4359, 4367–4368, 4374, 4378, 4381, 4383, 4386, 4392, 4395–4396, 4399, 4404–4405, 4417, 4420, 4430, 4433, 4435
AEQUORIN: 59, 464
AEROBIOSIS: 474, 1490, 2000, 3385, 3898
AEROSOLS: 666, 704, 1214, 1502, 1541, 1676, 2307, 2805, 3136, 3497, 3765, 3965
AET: 2502
AFFECT: 2423, 3113
AFFECTIVE DISTURBANCES: 1374, 3388
AFFERENT PATHWAYS: 110, 614, 1295, 2586, 2728
AFFINITY LABELS: 592, 839, 991, 2658, 3737, 4081
AFIBRINOGENEMIA: 361
AFLATOXINS: 192, 1142, 3052
AFTER CARE: 3134
AGAMMAGLOBULINEMIA: 2852
AGARICACEAE: 643
AGE DETERMINATION BY SKELETON: 2425, 2493, 4202
AGE FACTORS: 94, 184–185, 255, 266, 283, 315, 334, 377, 398, 400, 418, 429, 431, 473, 498, 503, 621, 657, 882, 910, 916, 954, 998, 1014, 1048, 1071, 1095, 1104, 1144, 1159, 1171, 1225, 1287, 1296, 1370, 1413, 1466, 1471–1472, 1515, 1536–1537, 1553, 1582, 1616, 1640, 1778, 1804, 1820, 1850, 1866, 1990, 2019, 2026, 2060, 2337, 2367, 2372, 2376, 2393, 2425, 2473, 2480, 2489, 2546, 2564, 2569, 2603, 2625, 2632, 2644, 2648, 2675, 2757, 2790, 2794, 2797, 2812, 2834, 2841–2842, 2872, 2894, 2962, 2985, 3045, 3051, 3059, 3188, 3258, 3283, 3341, 3359, 3393, 3452, 3468, 3533, 3570, 3595, 3601, 3641, 3667, 3670, 3673–3674, 3716–3717, 3732–3733, 3778, 3852, 3861, 3868–3869, 3894, 3916, 3954, 3958, 3966, 3972, 4087, 4172–4175, 4204, 4209–4210, 4275, 4366, 4381, 4433
AGED: 6, 15, 22, 49, 57, 71, 81, 91, 97, 112, 116, 130, 159, 164–165, 169, 191, 200, 214, 225, 227, 237, 255, 265, 288, 333, 357, 359, 361, 373, 376, 391, 401–402, 428, 433, 465, 473, 498, 515, 526, 560, 584, 599, 603, 613, 617, 619, 629, 651, 657, 704, 719–720, 722, 739, 743, 779, 791, 801, 804–805, 819, 837, 869, 909, 927, 945, 954, 971, 977–978, 992, 999, 1003, 1031, 1038, 1048, 1078, 1095, 1123–1124, 1132, 1135, 1143–1144, 1159, 1192, 1215, 1221, 1239, 1245, 1249, 1285, 1313, 1330, 1334–1335, 1338, 1344, 1350, 1363, 1405, 1407, 1456, 1466, 1472, 1533, 1566, 1596, 1626, 1633, 1639, 1663–1664, 1668, 1676, 1694, 1702, 1704, 1711–1712, 1716, 1722, 1729, 1737, 1760, 1769, 1790, 1795, 1800, 1802, 1804, 1814, 1843, 1855–1856, 1866, 1892, 1903, 1906, 1913, 1931, 1941, 1948, 1950, 1954–1955, 1961, 2013, 2046, 2052, 2055, 2081, 2090, 2125–2126, 2158, 2171, 2181–2182, 2265, 2268, 2271, 2302, 2305, 2323, 2372, 2376–2377, 2388, 2393, 2400, 2407–2408, 2417, 2441, 2446, 2451–2452, 2461, 2480, 2485, 2487, 2489, 2495–2496, 2498, 2520, 2535, 2546, 2551, 2568–2569, 2573, 2603, 2610, 2619, 2629, 2637, 2641, 2648, 2662, 2675, 2678, 2695, 2700, 2717, 2726, 2730, 2747–2748, 2757, 2763, 2770, 2776, 2790, 2794, 2800, 2834, 2851, 2859, 2863, 2890, 2909, 2954, 3018, 3020, 3023–3025, 3027, 3041, 3044–3045, 3059–3060, 3081, 3101, 3103, 3118, 3173, 3204, 3209, 3218, 3226, 3263, 3286, 3307, 3313, 3317, 3323, 3331, 3333, 3343, 3348, 3372, 3374, 3383, 3405, 3418–3419, 3426, 3453, 3495, 3497, 3527, 3533–3534, 3549, 3556, 3583, 3600, 3617, 3645, 3647, 3658, 3666, 3673, 3698, 3719, 3729, 3738, 3756, 3778, 3786, 3816, 3825, 3843, 3853, 3860, 3908, 3920, 3931, 3945, 3949, 3954, 3958, 3964, 3980, 3984, 3987–3988, 3993, 4031, 4035, 4044, 4074, 4110, 4113, 4115, 4123–4124, 4128, 4163, 4172, 4191, 4195, 4204, 4239, 4254, 4309, 4313, 4347, 4368, 4378, 4381, 4392–4393, 4396, 4399, 4405, 4417, 4433, 4436, 4438
AGGLUTINATION: 3183
AGGLUTINATION TESTS: 1527
AGGRESSION: 89, 547, 699, 756, 950, 2519, 2544, 3470
AGING: 400, 537, 599, 709, 850, 879, 1129, 1241, 1252, 1296, 1338, 1347, 1439, 1516, 1601, 1712, 1802, 1962, 1981, 2413, 2442, 2618, 2662, 2773,

2851, 3061, 3118, 3306, 3383, 3882, 3911, 3917, 3978, 4218
AGONISTIC BEHAVIOR: 1443
AGRANULOCYTOSIS: 20, 3922, 4195
AIR: 141
AIR POLLUTANTS: 693
AIR POLLUTANTS, OCCUPATIONAL: 26, 56, 693
AIR POLLUTANTS, RADIOACTIVE: 2946
AIRWAY OBSTRUCTION: 58, 1056, 1119, 1227, 1541, 2455, 2521, 2906, 3041
AIRWAY RESISTANCE: 626
AKINETIC MUTISM: 1941
AKR VIRUS: 2580
ALAMETHICIN: 2721
ALANINE: 2980, 3326, 3791
ALANINE AMINOTRANSFERASE: 162, 1663, 2648, 2681, 2862, 3051, 4220
ALBINISM: 2931
ALBUMINS: 337, 1118, 4301
ALBUTEROL: 330, 704, 1437, 3497, 4238
ALCOHOL DRINKING: 431, 1942, 2403, 2790
ALCOHOL, ETHYL: 338, 568, 1546, 1612, 2219, 2273, 2292, 2348, 2384, 2886, 3799, 3835
ALCOHOL OXIDOREDUCTASES: 1085, 3858
ALCOHOLISM: 434, 596, 2273, 2507, 2749, 3549, 3835
ALCOHOLS: 3773
ALCOHOLS, BUTYL: 2096
ALDEHYDE OXIDOREDUCTASES: 124
ALDOSTERONE: 41, 55, 145, 210, 264, 296, 309, 320, 446, 483, 486, 576, 676, 696, 708, 742, 770, 928, 939, 941, 1001, 1008, 1032, 1035, 1069, 1075, 1128, 1178, 1220, 1273, 1328, 1461, 1538, 1695, 1722, 1926, 2010–2011, 2200, 2275, 2288, 2335, 2372, 2381–2382, 2387, 2513–2514, 2542, 2703, 2752, 2775, 2852, 2933, 2944–2945, 2960, 2993, 3008, 3111, 3238, 3253, 3276, 3375, 3444–3445, 3515, 3620, 3655, 3666, 3710, 3804, 3856, 3874, 3931, 3958, 4030, 4205, 4246, 4280, 4382, 4408
ALDOSTERONE ANTAGONISTS: 770, 1341, 2775
ALDRIN: 1362
ALGAE, GREEN: 2682
ALKALINE PHOSPHATASE: 241, 245, 288, 310, 335, 512, 618, 668, 694, 719, 737, 992, 1134, 1285, 1313, 1496, 1782, 2046, 2251, 2353, 2555, 3216, 3218, 3309, 3320, 3344, 3518, 3686, 3715, 3910, 4206, 4308
ALKALOIDS: 2358
ALKALOSIS: 2703, 3008
ALKAPTONURIA: 2305
ALKYLATING AGENTS: 515, 3560, 3948
ALKYLATION: 8, 353, 1705, 2658
ALLELES: 863, 3250
ALLERGENS: 3291
ALLIGATORS AND CROCODILES: 2953, 3486
ALLOPURINOL: 722, 3307, 4217
ALLOSTERIC REGULATION: 726, 844
ALLOSTERIC SITE: 593, 3163
ALOPECIA: 1259, 3784, 4178
ALOPECIA AREATA: 4178
ALPHA-CHLOROHYDRIN: 1496
ALPHA FETOPROTEINS: 153, 245, 293, 526, 563, 606, 1856, 2204, 2868, 2912, 3309, 3569, 3956
ALPHA-GALACTOSIDASES: 3084
ALPHA GLOBULINS: 353, 534, 1180, 3101, 3818, 4212
ALPHA MACROGLOBULINS: 526
ALPHASONE: 463, 1391
ALPRENOLOL: 29, 1439, 1547, 2003, 2313, 3696
ALTHESIN: 156, 207, 378–379, 785, 2674, 2763, 2776, 3437, 3456, 4078
ALTITUDE SICKNESS: 477
ALUMINUM: 2605
ALUMINUM HYDROXIDE: 94, 1285
ALUMINUM OXIDE: 2168, 3750
ALVEOLAR PROCESS: 2851
AMANITINS: 1673, 3026, 3739
AMANTADINE: 199
AMARANTH: 2050
AMBULATORY CARE: 875, 1119, 3011, 3218, 3363, 4170
AMBYSTOMA: 3264
AMENORRHEA: 43, 479, 513, 561, 634, 711, 768, 809, 889, 1177, 1216, 1526, 1734, 1873, 1876, 2214, 2398, 2517, 2646, 2975, 3087, 3099, 3318, 3321, 3421, 3570, 3669, 3783, 3822, 3892, 3975, 4030, 4050–4051, 4056, 4088, 4202, 4419
AMERICIUM: 4388
AMIDES: 1653, 3371
AMIDOHYDROLASES: 2976
AMIDOPHOSPHORIBOSYLTRANSFERAS: 2031
AMILORIDE: 55, 1147, 3330
AMINES: 1267, 1349, 1992, 4023, 4189
AMINO ACID NAPHTHYLAMIDASES: 3905
AMINO ACID SEQUENCE: 604, 717, 884, 1130, 1491, 1507–1508, 2356–2357, 2426, 2562, 3132, 3481, 3501, 3537, 3645, 3759
AMINO ACIDS: 151, 203, 253, 364, 417, 644, 670, 718, 831, 1232, 1274, 1458, 1491, 1572, 1584, 1745, 1859, 1893, 1971, 2003, 2657, 2659, 2959, 2980, 2986, 3443, 3461, 3624, 3691, 3746, 4354
AMINO ACYL T RNA: 3746
AMINO ACYL T RNA SYNTHETASES: 106, 3746
AMINOBUTYRIC ACIDS: 772, 1294, 1476, 1893, 2058, 2255, 2509, 3521, 4036, 4137
6-AMINOCAPROIC ACID: 988
AMINOGLUTETHIMIDE: 769, 1695, 3887
P-AMINOHIPPURIC ACID: 1638, 4270
AMINOISOBUTYRIC ACID: 1232, 2390
AMINOOXYACETIC ACID: 1294
AMINOPEPTIDASES: 241, 738, 3389
AMINOPHYLLINE: 350, 1397, 3303
AMINOPROPIONITRILE: 3529
AMINOPYRINE: 1635, 3572
AMINOQUINOLINES: 3951
P-AMINOSALICYLIC ACID: 3452
AMINOSALICYLIC ACIDS: 3452
AMINOTRANSFERASES: 325
AMMONIA: 644, 1490, 2031, 2986, 3291, 3502
AMMONIUM COMPOUNDS: 2232
AMNESIA: 1373
AMNESIA, RETROGRADE: 1373
AMNIOCENTESIS: 4014, 4349
AMNION: 1995, 3599, 4154
AMNIOSCOPY: 3929
AMNIOTIC FLUID: 153, 271, 346, 457, 786, 964, 1087, 1336, 1435, 1995, 2754, 3365, 4014, 4349
AMOEBA: 3160, 4249
AMPHETAMINES: 709, 858, 1234, 2281, 2420
AMPHIBIA: 1183, 1402, 3264
AMPHOTERICIN B: 2043
AMPUTATION: 2762, 3304
AMYGDALOID BODY: 17, 89, 111, 544, 1062, 1072, 1108–1110, 1213, 1356, 1373, 1586, 1799, 1831, 1917, 1988, 1991, 2519, 2689, 2826, 2995, 3043, 3125, 3193, 3427, 3484–3485, 3504, 3535, 3700, 4028
AMYLASES: 757, 2433, 3896
AMYLOID: 1728
AMYLOIDOSIS: 2619, 4309
ANABOLIC STEROIDS: 70, 94
ANAEROBIOSIS: 348, 1490, 1621, 1943, 3030, 3385
ANALGESIA: 870, 1736
ANALGESICS: 496, 1588, 3324, 3640, 4006, 4100
ANALGESICS, ANTI-INFLAMMATORY: 472, 4271
ANALYSIS OF VARIANCE: 2803, 3000
ANAPHYLATOXINS: 263
ANAPHYLAXIS: 683, 1583, 1992, 2491, 2565, 3064, 3734, 4189
ANAPLASIA: 49
ANDROGEN ANTAGONISTS: 3508, 3772, 4113
ANDROGENS: 37, 327, 389, 404, 427, 442, 478, 487, 491, 538, 681, 710, 892, 1024, 1200–1201, 1224, 1305, 1529, 1723, 1758, 1819, 2064, 2213, 2245, 2323, 2435, 2475, 2610, 2794, 2819, 2831, 2881, 3037, 3172, 3192, 3308, 3581, 3669, 3726, 3736, 3772, 3795, 3864, 3904, 4052, 4113, 4138, 4146, 4178, 4331, 4369, 4431
ANDROGENS, SYNTHETIC: 1277, 1342
ANDROSTANEDIOL: 951, 2137, 2467, 2736, 2907, 3858, 3899, 3904, 4160
ANDROSTANES: 594, 881, 951, 1036, 1045, 1663, 1740, 1792, 1826, 1868, 2035, 2137, 2171, 2186, 2467, 2736, 3858, 4160
5-ANDROSTENE-3,17-DIOL: 3611
ANDROSTENEDIOLS: 1529, 2359, 2603, 3611
ANDROSTENEDIONE: 79–80, 389, 571, 669, 817, 1089, 1138, 1148, 1388, 1494, 1529, 1556, 1758, 2842, 2902, 2907, 3010, 3267, 3409, 3801
ANDROSTENES: 881, 1045
ANDROSTERONE: 951, 2584, 3580, 3947, 3953
ANEMIA: 523, 580, 1588, 1629, 3549
ANEMIA, APLASTIC: 112, 1206, 1224, 1305–1306, 1420, 1564, 1663, 1915, 2077, 2431, 2610, 2616, 2819, 2831, 2997, 3581, 3726, 4221, 4369
ANEMIA, HEMOLYTIC: 1915, 4061
ANEMIA, HEMOLYTIC, AUTOIMMUNE: 1527, 3864
ANEMIA, HYPOCHROMIC: 3954
ANEMIA, MACROCYTIC: 3786
ANEMIA, NEONATAL: 2430
ANEMIA, PERNICIOUS: 3418
ANEMIA, SICKLE CELL: 886, 3403
ANENCEPHALUS: 268, 2761, 3821, 4109
ANESTHESIA: 1951, 2190, 4149
ANESTHESIA ADJUVANTS: 2776
ANESTHESIA, DENTAL: 1588, 4170
ANESTHESIA, EPIDURAL: 1192, 1715
ANESTHESIA, GENERAL: 379, 398, 523, 825, 969, 1588, 1715, 2180, 2674, 2762–2763, 3805, 3874, 4078
ANESTHESIA, INHALATION: 105, 400, 4091, 4351
ANESTHESIA, INTRAVENOUS: 378, 2776, 3437, 3456, 4149
ANESTHESIA, LOCAL: 2180
ANESTHESIA, OBSTETRICAL: 398, 1736, 3874
ANESTHESIOLOGY: 1502
ANESTHETICS: 207, 2670–2671, 2674, 2776, 2989, 3111, 3776, 4149
ANESTHETICS, LOCAL: 1709
ANESTRUS: 888, 1643, 4406
ANEUPLOIDY: 1296
ANEURYSM: 465, 3505, 3657
ANEURYSM, DISSECTING: 2377
ANGINA PECTORIS: 1227, 1947, 4037
ANGIOGRAPHY: 1228, 1334, 2486, 2527, 3808
ANGIOMATOSIS: 1081, 3880
ANGIOSARCOMA: 1800
ANGIOTENSIN I: 1925, 2134, 3033, 3199
ANGIOTENSIN II: 230, 264, 297, 308, 320, 446, 471, 497, 505, 627, 791, 886, 894, 928, 941, 1054, 1097, 1120, 1130, 1139, 1167, 1178, 1220, 1273, 1319, 1328, 1461–1462, 1603, 1609, 1615, 1687, 1993, 2010–2011, 2074, 2134, 2276, 2330, 2372, 2381, 2439, 2524, 2542–2543, 2671, 2713, 2929, 2933, 2967, 3097, 3111, 3124, 3127, 3145, 3199, 3375, 3405, 3444–3445, 3515, 3522, 3629, 3655, 3659, 3662, 3794, 4023, 4164, 4247–4248, 4251, 4280, 4292, 4327
ANGIOTENSIN III: 928
ANGIOTENSINOGEN: 308–309, 589, 1167–1168, 3127
ANGIOTENSINS: 210, 308, 373, 589, 1167–1169, 1687, 1797, 2360, 2514, 3029, 3199, 3505, 4013, 4246, 4292
ANHYDRIDES: 1868
ANILIDES: 2976
ANILINE COMPOUNDS: 233, 922
ANILINO NAPHTHALENESULFONATES: 2216, 4397
ANIMAL FEED: 266, 294, 305, 501, 1322, 1554, 2020, 2095, 2405, 3052, 3728, 3982
ANIMAL HUSBANDRY: 4012
ANIMAL NUTRITION: 1458, 2442
ANIMALS, LABORATORY: 3017, 4012, 4078
ANIMALS, NEWBORN: 96, 177, 266, 580, 671, 756, 759, 1347, 1370, 1516, 1733, 1818, 1865, 1918, 1934, 2032, 2294, 2631, 2702, 2711, 2727, 2743, 2870, 2876, 2882, 2903, 2941, 2962, 3055, 3085, 3482, 3660, 3791, 3864, 3882, 3923, 3966, 4073, 4176, 4324, 4385
ANIONS: 2216, 3063
ANODONTIA: 1259
ANOPHELES: 3547
ANOREXIA: 2755
ANOREXIA NERVOSA: 479, 1873, 2393, 2589, 3318, 3979, 4030
ANOSMIA: 1911
ANOVULATION: 167, 878, 1851, 3783, 3953
ANOXIA: 477, 532, 708, 1056, 1539, 1985, 2008, 2145, 2634, 2705, 2843–2844, 2986, 3093, 3155, 3249, 3357, 3796
ANTACIDS: 2814–2815, 4427
ANTAZOLINE: 3423
ANTHRANILIC ACIDS: 832
ANTHROPOMETRY: 905, 1095, 2424
ANTI-ANTIBODIES: 3541
ANTI-ARRHYTHMIA AGENTS: 339, 2035, 2906, 4251

ANTIBIOTICS: 199, 249, 536, 616, 832, 988, 1327, 1460, 1588, 1709, 1736, 1965, 2419, 2714, 2818, 3064, 3237, 3280, 3500, 3640, 3897, 4008, 4216, 4271
ANTIBIOTICS, ANTIFUNGAL: 4080
ANTIBIOTICS, ANTINEOPLASTIC: 1236, 1713, 3560
ANTIBODIES: 7, 691, 1140, 1166, 1308, 1370, 1697, 1853, 1986, 2371, 2460, 2720, 3457, 3556, 3608, 3692, 3956, 3981, 4004, 4230
ANTIBODIES, BACTERIAL: 1527, 2233, 3762
ANTIBODIES, FUNGAL: 2629
ANTIBODIES, NEOPLASM: 245, 3175
ANTIBODIES, VIRAL: 956, 1527, 2344, 4209–4210, 4253
ANTIBODY-DEPENDENT CELL CYTOTOXICITY: 4061
ANTIBODY DISSOCIATION: 1037, 3608
ANTIBODY FORMATION: 5, 673, 712, 819, 866, 1082, 1140, 1236, 1324, 1480, 1672, 1853, 2567, 3237, 3462, 3685, 3757, 3864, 4149, 4253
ANTIBODY PRODUCING CELLS: 2145
ANTIBODY SPECIFICITY: 229, 635, 866, 956, 1140, 1166, 2137, 2740, 2941, 3577, 3627, 4257, 4305
ANTICOAGULANTS: 856, 2436, 3059, 3420, 4167, 4170
ANTICONVULSANTS: 504, 876, 1870, 2487, 3034, 3218, 3715, 3741, 3901, 3910, 4347
ANTIDEPRESSIVE AGENTS, TRICYCLIC: 1852, 3292, 4172
ANTIFIBRINOLYTIC AGENTS: 856, 4341
ANTIGEN–ANTIBODY COMPLEX: 66, 956, 1037, 1480, 2436, 2678, 3175, 3864
ANTIGEN–ANTIBODY REACTIONS: 187, 680, 864, 1166, 1404, 1824, 2606, 2720, 2941, 3199, 3692, 4322–4323
ANTIGENIC DETERMINANTS: 5, 128, 288, 819, 1323, 1420, 1786, 2129, 2709, 2941, 3086, 3132, 3709, 3956
ANTIGENS: 5, 229, 310, 318, 510, 691, 1140, 1738, 2941, 3120, 3690, 4076, 4249, 4385
ANTIGENS, BACTERIAL: 2812
ANTIGENS, NEOPLASM: 526, 1786, 2414, 2618, 3175, 3709
ANTIGENS, VIRAL: 956, 2129, 3086
ANTIHYPERTENSIVE AGENTS: 278, 2165, 2773, 3230, 3419, 3900
ANTI-INFECTIVE AGENTS: 3358
ANTI-INFLAMMATORY AGENTS: 141–142, 553, 633, 683, 926, 954, 1128, 1131, 1302, 1360, 1427, 1692, 2319, 2465, 2565, 2905, 3059, 4006, 4100, 4337
ANTILYMPHOCYTE SERUM: 2431, 3370
ANTIMETABOLITES: 1629, 2251, 3237
ANTIMETABOLITES, ANTINEOPLASTIC: 3560
ANTIMYCIN A: 2474
ANTINEOPLASTIC AGENTS: 37, 114, 191, 428, 448, 498, 601, 1188, 1500, 1533, 1645, 1713, 2022, 2399, 2435, 2494, 2511, 2540, 2568, 2732, 2991, 3103, 3268, 3341, 3363, 3415, 3419, 3434, 3560, 3601, 3618, 3824, 4235, 4254, 4262
ANTINUCLEAR FACTORS: 673, 1481, 2268
ANTIPARKINSON AGENTS: 3419
ANTIPYRINE: 3399
ANTISEPSIS: 1407
ANTITHROMBINS: 361, 3161
ANTITUBERCULAR AGENTS: 727, 3371, 4047
ANTIVIRAL AGENTS: 1709, 3757
ANTLERS: 487
ANXIETY: 2458, 3470
AORTA: 256, 807, 1133, 1339, 1512, 1648, 2911, 2922, 4009, 4219
AORTA, ABDOMINAL: 256, 971
AORTA, THORACIC: 256, 322, 971, 1113, 1622, 1756
AORTIC ANEURYSM: 1113, 3505
AORTIC ARCH SYNDROMES: 1813, 3671, 3900
AORTIC COARCTATION: 2276, 3505, 3880, 4060
AORTIC DISEASES: 2615, 4219
AORTIC RUPTURE: 1113
AORTIC VALVE: 1756
AORTIC VALVE INSUFFICIENCY: 725
AORTIC VALVE STENOSIS: 264, 1756, 4060
AORTOGRAPHY: 18, 2733
APATITES: 3071, 4090
APGAR SCORE: 11, 2710, 3366, 3895
APLYSIA: 443, 3941
APNEA: 1227
APOCRINE GLANDS: 3772
APOLIPOPROTEINS: 1002
APOMORPHINE: 1237, 1276, 2823, 3352, 3939, 4093–4094
APOPROTEINS: 844
APPENDECTOMY: 1743
APPENDICEAL NEOPLASMS: 1038
APPENDIX: 1743
APPETITE: 745, 3484
APPETITE DEPRESSANTS: 546, 715
APPETITE DISORDERS: 2755
APPETITE REGULATION: 1869, 3137, 3485
APRAXIA: 4025
APROCARB: 3547
APUD CELLS: 3808
APUDOMA: 1533, 1810, 2871
AQUEOUS HUMOR: 953, 2937
ARACHIDONIC ACIDS: 609, 624, 647, 1399, 1470, 1797, 2134, 2274, 2386, 2590, 2718, 3001, 3252, 4122, 4337, 4408
ARACHNODACTYLY: 4425
ARACHNOID: 306
ARACHNOIDITIS: 2302
ARGINASE: 995
ARGININE: 2747, 2820
ARGININE VASOPRESSIN: 138, 382, 798, 936, 1025, 1320, 1615, 2190, 2627, 2758, 3763, 4163, 4348, 4408
ARM: 1427, 1990
AROMATASE: 279, 2000
AROUSAL: 903, 1451, 1852, 2415, 3113
ARRHENOBLASTOMA: 910
ARRHYTHMIA: 462, 1227, 1502, 1600, 2169, 3180, 3211, 4091, 4251
ARSENIC: 787
ARTERIAL OCCLUSIVE DISEASES: 740, 856, 1055, 1844, 2739
ARTERIES: 186, 422, 971, 1222, 2377, 3023, 3304, 3404, 3643
ARTERIOSCLEROSIS: 1002, 1512, 1712, 1745, 2637, 2851, 4108, 4217, 4219
ARTERIOSCLEROSIS OBLITERANS: 169
ARTERIOVENOUS FISTULA: 849, 2486, 3505, 3657
ARTERIOVENOUS MALFORMATIONS: 3182
ARTERIOVENOUS SHUNT, SURGICAL: 3720
ARTERITIS: 1571, 2302
ARTHRITIS: 340, 944, 1107, 1360, 1821, 2419
ARTHRITIS, ADJUVANT: 1404, 1821
ARTHRITIS, INFECTIOUS: 1203, 2419
ARTHRITIS, JUVENILE RHEUMATOID: 208, 472, 1427, 3695
ARTHRITIS, RHEUMATOID: 158, 472, 553, 648, 792, 1048, 1083, 1154, 1203, 1302, 2268, 2465, 2675, 2715, 3372, 3487, 3891, 3902, 3979, 4100, 4442
ARTHROBACTER: 1523
ARTHROPOD VENOMS: 1410
ARTIODACTYLA: 283, 2331
ARYL HYDROCARBON HYDROXYLASES: 2782, 3295
ARYLSULFATASES: 1821
ASCITES: 308–309, 1069–1070, 2036, 2382, 3445, 3522, 4246
ASCITIC FLUID: 603, 955, 2606, 3086
ASCORBIC ACID: 635, 759, 1362, 1376, 1497, 1621, 1782, 2374, 3034
ASCORBIC ACID DEFICIENCY: 4365
ASPARAGINASE: 2708, 3385, 3560, 3994
ASPARAGINE: 3326
ASPARTATE AMINOTRANSFERASE: 162, 1548, 1663, 2681, 2862, 3896, 4220
ASPARTATE CARBAMOYLTRANSFERASE: 995
ASPERGILLOSIS: 2409, 2707
ASPERGILLUS NIGER: 2518
ASPHYXIA: 4378
ASPHYXIA NEONATORUM: 3717
ASPIRATION: 1227
ASPIRIN: 102, 390, 553, 811, 1122, 1427, 1821, 2406, 2481, 2718–2720, 3041, 3307, 3420, 3695, 4100, 4429
ASSOCIATION: 2689
ASSOCIATION LEARNING: 1451
ASTHMA: 58, 530, 666, 704, 707, 945, 1056, 1119, 1214, 1227, 1380, 1398, 1438, 1583, 1696, 2307, 2565, 2621, 2705, 2906, 3041, 3136, 3154, 3266, 3303, 3497, 3578, 3765, 3897, 3965, 4186, 4437
ASTROCYTES: 3120, 3494
ASTROCYTOMA: 705, 1492, 2157, 2867, 3088, 4115
ATAXIA TELANGIECTASIA: 1501
ATELECTASIS: 1696, 2308, 2906
ATENOLOL: 1165, 2429
ATHEROSCLEROSIS: 1491, 4108
ATHLETIC INJURIES: 2225
ATMOSPHERIC PRESSURE: 184, 2674
ATROPHY: 370, 815, 1654, 1699, 1776, 2511, 3388, 4265
ATROPINE: 1304, 1424, 1709, 1937, 2059, 2868, 3459, 4036, 4186, 4237
ATROPINE DERIVATIVES: 2358
ATTENTION: 720, 2415, 2458
AURICULAR FIBRILLATION: 2834
AUSCULTATION: 3900
AUSTRALOID RACE: 1422
AUTISM: 4413
AUTOANALYSIS: 78
AUTOANTIBODIES: 189, 255, 864, 1235, 1481, 1790, 1903, 1969, 2483, 2585, 2633, 2648, 3250, 3691, 3757, 3888, 3922, 4061, 4117
AUTOANTIGENS: 3833
AUTOIMMUNE DISEASES: 237, 435, 1505, 1702, 2108–2109, 2618, 3757, 3833, 3864, 3922
AUTONOMIC NERVOUS SYSTEM: 210, 1056, 1357, 3578
AUTOPSY: 1072, 2248, 2885, 4173, 4440
AUTORADIOGRAPHY: 111, 915, 1075, 1110, 1296, 1515, 1557, 1918, 1934, 2173, 2728, 2801, 2822, 3177, 3540, 3551, 3795
AUTOSOME ABNORMALITIES: 432, 1259, 2017, 3047, 4046
AVIAN ENCEPHALOMYELITIS VIRUS: 4209–4210
AVIAN LEUKOSIS: 196
AVIAN LEUKOSIS VIRUSES: 196
AVITAMINOSIS: 2556, 4278, 4365
AVOIDANCE LEARNING: 171, 382, 1373, 2094, 2237, 2292, 2378, 2661, 3125, 3482, 3998
AWARDS AND PRIZES: 4323
AXILLA: 2656
AXONS: 174–175, 413, 464, 470, 1272, 1288, 1487, 1681, 1917, 2586, 2901, 3055, 3486, 3650, 4166
AXOPLASMIC FLOW: 110, 1831, 2075, 2503–2504, 2728, 2753
AZA COMPOUNDS: 2673
AZASTEROIDS: 3163
AZATHIOPRINE: 19, 112, 143, 191, 998, 1132, 1190, 1206, 1527, 1821, 1861, 1901, 2053, 2069, 2436, 2648, 3453, 4272
AZIDES: 839, 2361, 2456, 2795, 3260
AZO COMPOUNDS: 438, 1166, 3471, 3661
AZURE STAINS: 2434, 2699

B

BABOONS: 48, 1196, 1388, 1391–1392, 1865, 2041, 3085, 3576
BACILLUS: 2833
BACKACHE: 1647, 3635
BACLOFEN: 4137
BACTERIA: 577, 885, 940, 1011, 3683
BACTERIAL INFECTIONS: 199, 249, 291, 1564
BACTERIAL TOXINS: 1152, 1399
BACTERIAL VACCINES: 1665, 2762
BACTERIOCINS: 2998
BACTERIOLOGICAL TECHNICS: 341, 2485
BACTERIOLYSIS: 66
BALNEOLOGY: 1131, 3640
BARBITURATES: 73, 823, 3059
BARIUM: 372, 1454, 2232
BARLEY: 1510
BARTHOLIN'S GLANDS: 4095
BARTTER'S DISEASE: 230, 264, 1979, 2074, 2114, 2221, 2933, 3316, 3447, 4104
BASAL METABOLISM: 215, 1391, 1974, 2884
BASE SEQUENCE: 748–749, 1289, 2482, 3036
BASEMENT MEMBRANE: 68, 150, 181, 1419
BASILAR ARTERY: 2751
BATHS: 2181–2182
BCG VACCINATION: 3588
BCG VACCINE: 3421
BECLOMETHASONE: 666, 704, 940, 1214, 1676, 2491, 2621, 2805, 3136, 3381, 3965, 4186, 4437

BED REST: 553, 2688, 3902
BEETLES: 336
BEHAVIOR: 974, 1276, 2292, 2423, 2458, 2816, 3193
BEHAVIOR, ANIMAL: 17, 89, 193, 313, 425, 778, 950, 974, 1248, 1276, 1642, 2005, 2094, 2236–2237, 2292, 2384, 2547, 2661, 2961–2962, 3306, 3427, 3448, 3459, 3482, 3504, 3535, 4353
BEHAVIOR MODIFICATION: 479
BEHCET'S SYNDROME: 33, 958, 1460
BENCE JONES PROTEIN: 1286
BENDROFLUMETHIAZIDE: 739
BENZANTHRACENES: 1909, 2054
BENZENE: 2397, 2819, 4221
BENZOATES: 551, 4446
BENZODIAZEPINE TRANQUILIZERS: 412, 1294, 1502
BENZODIAZEPINES: 504
BENZODIAZEPINONES: 2823
BENZOPYRANS: 72, 103–104, 840, 845–846, 1345, 1905, 1938, 2207, 2565, 2793, 2817, 3356, 3604, 4048
BENZOPYRENES: 4240
BENZOXAZOLES: 633
BENZYDAMINE: 3640
BENZYL COMPOUNDS: 1921
BENZYLAMINES: 1267, 2449
BETA-GALACTOSIDASES: 946, 1945, 2935
BETA GLOBULINS: 245, 318, 1180, 3709
BETA 2 MICROGLOBULIN: 318, 1286
BETAMETHASONE: 519, 1055, 1541, 1770, 2455, 2731, 2798, 2999, 3031, 3335, 3495, 3728, 3806, 4034, 4122, 4198, 4344, 4446
BETAMETHASONE 17-VALERATE: 519, 1541, 1692
BETAZOLE: 312
BETHANECHOL COMPOUNDS: 426
BEVERAGES: 1297
BICARBONATES: 2133, 3215, 3316, 3324, 3762
BICYCLO COMPOUNDS: 2686
BILE: 967, 1789, 2041, 2050, 2176, 2584, 2752, 3619, 3995, 4258, 4331
BILE ACIDS AND SALTS: 806, 4001
BILE DUCT NEOPLASMS: 4282
BILE DUCTS: 2575, 4270
BILE DUCTS, INTRAHEPATIC: 967
BILIARY TRACT DISEASES: 411, 2550, 3597
BILIRUBIN: 203, 967, 1365, 2827, 4014
BINDING, COMPETITIVE: 30, 52–53, 142, 264, 592, 594, 633, 716, 736, 770, 928, 991, 1006, 1020, 1037, 1128, 1269, 1589, 1723, 1773, 1891, 1998, 2167, 2359, 2881, 2952, 3089, 3095, 3292, 3708, 3721, 4326
BINDING SITES: 174–175, 233, 318, 343, 353, 358, 484, 534, 761, 844, 868, 884, 928, 990–991, 1043, 1085, 1357, 1379, 1727, 1811, 1886, 2295, 2312, 2330, 2622, 2657–2658, 2998, 3170, 3260, 3584, 3691, 3703, 3731, 3768, 3906, 4043, 4081, 4188, 4199, 4212, 4252
BINDING SITES, ANTIBODY: 435, 1037, 2087, 3184
BIOCOMPATIBLE MATERIALS: 2168, 3271
BIOGENIC AMINES: 1000, 1253, 1316, 1561, 1908, 1924, 2089, 2218, 2266, 2480, 2686, 2898, 2910, 3105, 3795
BIOLOGIC AVAILABILITY: 861, 1889, 2178, 2774, 2814–2815, 3528
BIOLOGICAL ASSAY: 267, 303, 718, 1274, 1669, 1678, 2253, 2357, 2940, 3040, 3104, 3782, 4077
BIOLOGICAL CLOCKS: 2164, 2403, 2738, 2744
BIOLOGICAL PRODUCTS: 2663
BIOLOGICAL TRANSPORT: 145, 174, 470, 831, 868, 951, 953, 1043, 1098, 1232, 1408, 1467, 1478, 1507, 1511, 1528, 1598, 1726, 1992, 2119, 2433, 2456, 2470, 2472, 2474, 2753, 2796, 2911, 2982, 3008, 3066, 3084, 3098, 3194, 3330, 3351, 3471, 3655, 3886, 4106, 4311, 4372
BIOLOGICAL TRANSPORT, ACTIVE: 39, 77, 352, 392, 394, 543, 638, 852, 967, 1010, 1018, 1157, 1255, 1337, 1513, 1670, 1945, 2035, 2124, 2223, 2263, 2290, 2363, 2433, 2847, 2982, 3008, 3063, 3119–3120, 3156, 3215, 3228, 3429, 3764, 3814, 3836, 3840, 4147, 4397
BIOMECHANICS: 1400, 2464, 2806, 3271
BIOPHARMACEUTICS: 1823
BIOPHYSICS: 1416
BIOPSY: 815, 1204, 1904, 2317, 2332, 2675, 2939, 4007, 4234, 4350
BIOPSY, NEEDLE: 289, 349, 970, 2002, 2259, 2551, 3376, 3811
BIOTRANSFORMATION: 1494, 1498, 1502, 1909, 2178, 3267, 3383, 3580, 3759
BIPERIDEN: 2388
BIRDS: 1580, 1674, 1953, 2164, 2356, 2471, 2771, 2953, 4016, 4352–4353
BIRTH WEIGHT: 1559, 1581, 1612, 1739, 1994, 2688, 2710, 2754, 3366, 3895, 4227
BLADDER: 1375, 2199, 2775, 3255, 3737, 3747, 3886, 4086, 4296, 4408
BLADDER CALCULI: 3234
BLADDER DISEASES: 3545
BLADDER NEOPLASMS: 90, 154, 2152, 2226, 2323, 2481, 3234, 3745
BLASTOCYST: 128, 1949, 2390, 3842
BLASTODERM: 128
BLEOMYCIN: 46, 642, 684, 697, 1231, 2174, 3171, 3268, 3343, 3349, 3415, 3705
BLINDNESS: 1055, 1737, 2250, 3987, 4374
BLOOD: 32, 201, 383, 501, 1396, 1823, 2578, 2636, 2751, 3709, 3865, 4168, 4243, 4355
BLOOD BACTERICIDAL ACTIVITY: 3754, 3760
BLOOD-BRAIN BARRIER: 638, 3127
BLOOD CELL COUNT: 811, 1548, 3900, 4277
BLOOD CHEMICAL ANALYSIS: 719, 2959
BLOOD CIRCULATION: 8, 297, 590, 972, 2181, 2867, 3450
BLOOD COAGULATION: 131, 361, 390, 422, 856, 963, 1470, 1933, 2532, 2720, 3069, 3161, 3588, 3968, 4103, 4222, 4373
BLOOD COAGULATION DISORDERS: 856, 1081, 3592
BLOOD COAGULATION FACTORS: 3161, 3450
BLOOD COAGULATION TESTS: 811, 2233, 3101, 3161
BLOOD FLOW VELOCITY: 1598
BLOOD GAS ANALYSIS: 33, 257, 3897
BLOOD GROUP INCOMPATIBILITY: 3132
BLOOD GROUPS: 889, 2270, 3132
BLOOD PLATELET DISORDERS: 811, 3979
BLOOD PLATELETS: 189, 263, 381, 422, 472, 609, 733, 811, 822, 856, 1041, 1047, 1122, 1258, 1305–1306, 1414, 1564–1565, 1663, 1777, 1841, 2007, 2274, 2406, 2421, 2705, 2719, 2896, 2921, 2934, 3069, 3161, 3252, 3420, 3516, 3556, 3694, 3915, 3934, 4019, 4103, 4222, 4413
BLOOD PRESERVATION: 2217, 3069, 3754
BLOOD PRESSURE: 4, 55, 93, 105, 138, 178, 210, 218, 264, 297, 320, 368, 614, 646–647, 678, 821, 894, 941, 1030, 1054, 1130, 1139, 1147, 1165, 1167–1168, 1178, 1234, 1273, 1298, 1320, 1371, 1378, 1381, 1488, 1598, 1603, 1638–1639, 1782, 1835, 1993, 2057, 2134, 2154, 2179, 2190, 2199, 2260, 2279, 2298, 2381, 2439, 2466, 2542–2543, 2639, 2655, 2670–2671, 2691, 2713, 2763, 2888, 3127, 3150, 3196, 3276, 3292, 3298, 3444, 3456, 3506, 3513, 3522, 3575, 3578, 3629, 3687, 3692, 3720, 3725, 3868, 3887, 3903, 3958, 4009, 4037, 4164, 4238, 4243, 4292, 4327, 4373, 4419
BLOOD PRESSURE DETERMINATION: 3931
BLOOD PROTEIN ELECTROPHORESIS: 3818
BLOOD PROTEINS: 534, 633, 826, 1207, 1399, 1854, 2469, 3207, 3654, 4168, 4206, 4212–4213
BLOOD SEDIMENTATION: 1048, 2662, 3900
BLOOD SPECIMEN COLLECTION: 483, 1278, 3126
BLOOD STAINS: 3926
BLOOD SUGAR: 31, 42, 136–137, 312, 324, 368, 943, 1283, 1365, 1458, 1463, 1554, 1584, 1712, 1715, 1778, 1789, 2221, 2338, 2463, 2637, 2652, 2771, 2802, 2859, 2972, 3005, 3058, 3123, 3129, 3513, 3664, 3884, 3909, 3977, 3982, 4154, 4217, 4220, 4243, 4300
BLOOD-TESTIS BARRIER: 4430
BLOOD TRANSFUSION: 319, 580, 988, 1125, 1306, 1420, 1527, 1861, 2466, 2818, 3378, 3556, 4392
BLOOD TRANSFUSION, AUTOLOGOUS: 2466, 2639
BLOOD UREA NITROGEN: 2036, 2542, 4217–4218, 4220
BLOOD VESSELS: 213, 322, 1297, 1462, 1622, 2336, 2406, 2445, 3819, 3880, 4341
BLOOD VISCOSITY: 1083, 2334, 2654
BLOOD VOLUME: 373, 1070, 1178, 1500, 1609, 1639, 2275, 2387, 2670, 2691, 3029
BLOODLETTING: 1639
BODY COMPOSITION: 427, 1873, 3997
BODY FLUID COMPARTMENTS: 1500
BODY FLUIDS: 848
BODY HEIGHT: 133, 211–212, 360, 1212, 1308, 1559, 2493, 4313, 4402
BODY IMAGE: 258, 479
BODY SURFACE AREA: 862, 1574
BODY TEMPERATURE: 768, 1083, 1251, 1365, 1547, 1851, 2154, 2636, 2679, 3266, 3498, 4326
BODY TEMPERATURE REGULATION: 131, 222, 405, 780, 794, 830, 1248, 1444, 1607, 1684, 1849, 2141, 2172, 2264, 2289, 2378, 2442, 2636, 2723, 3448, 3677, 3683, 3799, 4266, 4276, 4310
BODY WATER: 427, 1128, 1155, 1500, 1734, 3273, 4408
BODY WEIGHT: 163, 211, 427, 431, 574, 658, 678, 686, 759, 794, 820, 1455, 1547, 1559, 1607, 1684, 1712, 1734, 1748, 1853, 1873, 1907, 2005, 2046, 2094, 2122, 2133, 2373, 2387, 2389, 2539, 2593, 2652, 2729, 2743, 2811, 3028, 3043, 3058, 3122–3123, 3181, 3221, 3238, 3249, 3272, 3298, 3359, 3437, 3498, 3513, 3894, 3908, 3916, 3923, 4030, 4225, 4313, 4390, 4394, 4419
BONE AND BONES: 27, 195, 202, 224, 276, 310, 334–335, 337, 377, 410, 474, 512, 541, 585, 660, 672, 728, 737, 789, 800, 896–898, 931, 987, 992, 1095, 1104, 1158, 1185, 1310, 1338, 1400, 1502, 1542, 1549–1550, 1577, 1592, 1608, 1630, 1641, 1650, 1742, 1768, 1780, 1785, 1796, 1895, 1930, 1977, 1989, 2077, 2088, 2130–2131, 2147, 2168, 2228, 2305, 2315, 2333, 2357, 2391, 2419, 2422, 2464, 2484–2485, 2496, 2531, 2534, 2576, 2595–2596, 2615, 2622, 2667, 2685, 2760, 2787, 2806, 2876, 2916, 2936, 2946, 2958, 2984, 3017, 3070–3071, 3100, 3198, 3210, 3216, 3218, 3271, 3277, 3299, 3304, 3320, 3367, 3386, 3403, 3499, 3528–3529, 3548, 3563, 3631, 3712, 3718, 3750, 3766, 3769, 3798, 3846, 3902, 3913, 3952, 3964, 4007, 4039, 4045, 4089, 4126, 4140, 4145, 4228, 4255, 4387–4390, 4394, 4399
BONE CEMENTS: 987
BONE CYST: 556, 2130
BONE DEVELOPMENT: 62, 202, 250, 337, 648, 1550, 1741, 2131, 2315, 3894, 3913
BONE DISEASES: 135, 185, 459, 512, 648, 876, 882, 1741, 2556, 3218, 3271, 3299, 4007, 4415
BONE DISEASES, DEVELOPMENTAL: 3798
BONE MARROW: 20, 66, 95, 189, 580, 931, 1053, 1224, 1305, 1409, 1420, 1704, 2115, 2117, 2667, 2863, 3092, 3257, 3370, 3434, 3564, 3636, 3726, 4177, 4228, 4309, 4332–4333, 4434
BONE MARROW DISEASES: 184
BONE MARROW EXAMINATION: 3841
BONE MATRIX: 2838, 4039
BONE NEOPLASMS: 69, 235, 316, 432, 617, 789, 1158, 1245, 1286, 1406, 1542, 2278, 2325, 2520, 3044, 3103, 3390, 3658
BONE REGENERATION: 135, 1989, 3952, 4411
BONE RESORPTION: 135, 158, 672, 730, 987, 1989, 2091, 2220, 2622, 3231, 3263, 3297, 3766, 3902, 4140, 4411
BONNEVIE-ULLRICH SYNDROME: 1077
BORDETELLA PERTUSSIS: 1646
BOROHYDRIDES: 4337
BOTULINUM TOXINS: 3893, 4293
BOTULISM: 2756
BRACES: 2794
BRACHIAL ARTERY: 2062
BRADYCARDIA: 497, 2165
BRADYKININ: 626, 894, 1035, 1797, 1925, 2076, 2298, 3156, 3629, 4023, 4104, 4292
BRAIN: 2, 17, 36, 111, 124, 265, 277, 300, 372, 415, 423, 425, 451, 458, 481, 485, 521, 535, 574, 627, 638, 645, 689, 716, 733, 772, 796, 858, 921, 942, 1026, 1041, 1060, 1072, 1075, 1129, 1145, 1148, 1168, 1262, 1267, 1276, 1292, 1298, 1347, 1439, 1476, 1553, 1624, 1661, 1674, 1776, 1834, 1860, 1946, 1987, 2059, 2154, 2188, 2218, 2250, 2254, 2266, 2283, 2321, 2333, 2344, 2350, 2384, 2412, 2415, 2420, 2519, 2573, 2605, 2649, 2743, 2823, 2840, 2907, 2910, 2963, 2976, 2989, 3105, 3114, 3127, 3155, 3168, 3193, 3206, 3228, 3269, 3278, 3283, 3286, 3334, 3359, 3390, 3422, 3448, 3456, 3459, 3484, 3507, 3546, 3551, 3553, 3654, 3679, 3694, 3703, 3748, 3768, 3795, 3820–3821, 3851–3852, 3903, 3911, 3983, 4002, 4032, 4057, 4067, 4075–4076, 4116, 4134, 4136, 4142, 4166, 4188, 4323–4324, 4409
BRAIN ABSCESS: 277

BRAIN CHEMISTRY: 61, 108, 709, 754, 756, 795, 870, 942, 1129, 1561, 1587, 1804, 1854, 2058, 2072, 2184, 2480, 2751, 2823, 3530, 3650, 3703, 3882, 3951, 4075, 4197, 4322
BRAIN DISEASES: 277, 306, 1026, 1257, 1360, 1524, 1787, 2265, 2744, 2749, 2829, 3426, 4356
BRAIN EDEMA: 2, 277, 624, 1500, 2170, 4262
BRAIN INJURIES, ACUTE: 2, 277, 870, 2777, 3426
BRAIN MAPPING: 89, 155, 269, 354, 362, 416, 2009, 2448, 2503–2504, 3125, 3440, 3903, 3939
BRAIN NEOPLASMS: 277, 306, 450, 560, 1163, 1257, 1442, 1492, 1500, 1519, 1731, 1800, 1974, 2047, 2151, 2170, 2291, 2379, 2452, 2551, 2739, 2867, 2912, 3213, 3246, 3286, 3390, 3469, 3606, 3618, 3962, 4025, 4101, 4115, 4262, 4405
BRAIN STEM: 415, 625, 1075, 1108–1109, 1294, 1451, 1492, 1497, 1831, 2075, 2503–2504, 2544, 2728, 3359, 4137
BRASSICA: 3740
BREAST: 634, 2624, 3020, 3107, 3394, 3398, 3771, 4055, 4376, 4444
BREAST DISEASES: 2599, 4126, 4313
BREAST FEEDING: 73, 513, 2624, 3314, 3398, 3771, 4225, 4227, 4271
BREAST NEOPLASMS: 9, 15, 37, 69, 88, 235, 245, 273, 388, 402, 492, 498, 767, 789, 817, 918, 1006, 1221, 1344, 1645, 1695, 1792, 1888, 1892, 1915, 1948, 2013, 2153, 2259, 2278, 2291, 2359, 2399, 2452, 2475, 2568, 2601, 2603–2604, 2726, 2863, 2909, 2951, 2991, 3024–3025, 3044, 3067, 3090, 3107, 3213, 3341, 3361, 3421, 3519, 3756, 3777–3778, 3984, 4031, 4125, 4211, 4268, 4313, 4416
BREATH TESTS: 1635
BREEDING: 35, 1071, 1750, 1882, 1896, 4217
BRETYLIUM COMPOUNDS: 21
BRIDGED COMPOUNDS: 2686
BROMIDES: 73, 638, 2133, 2182
BROMINE: 2181
BROMODEOXYURIDINE: 2100, 2523, 2592
2-BROMOERGOCRYPTINE: 140, 548, 634, 711, 1079, 1143, 1177, 1216, 1366, 1714, 1760, 1829, 2536, 3082, 3321, 3478, 3570, 3783, 3939, 3989, 4051, 4083
2-BROMOLYSERGIC ACID DIETHYLAMIDE: 547, 1234
BROMOSUCCINIMIDE: 1361
BRONCHI: 704, 966
BRONCHIAL DISEASES: 57, 3387
BRONCHIAL NEOPLASMS: 245, 2062, 3511, 4254
BRONCHIAL SPASM: 683, 1227, 2165, 2491
BRONCHIECTASIS: 1393
BRONCHITIS: 4071
BRONCHODILATOR AGENTS: 1119, 2621, 2705, 3765, 3897
BRONCHOPNEUMONIA: 1629
BRONCHOSCOPY: 2156
BROWN FAT: 1516, 1812, 1849, 2289, 3677
BUFEXAMAC: 2535
BUFFERS: 70, 464, 1966, 2371
BUFO MARINUS: 3255, 3737, 3886, 4408
BUFOTENIN: 1208, 2587, 3289
BULBOURETHRAL GLANDS: 3508, 3526, 4095
BUNGAROTOXINS: 111, 1274, 1661, 3521, 3551
BURIMAMIDE: 4434
BURKITT'S LYMPHOMA: 117, 2022
BURNS: 164, 3110, 3324, 4215
BURNS, CHEMICAL: 1965
BURSA OF FABRICIUS: 1362
BURSITIS: 3382, 4191
BUTYLCYANOACRYLATE: 1658
BUTYRIC ACIDS: 778, 3028
BUTYROPHENONES: 630
BUTYRYLCHOLINESTERASE: 3649

C

C-REACTIVE PROTEIN: 792, 2068
C-TYPE VIRUSES: 2523
CACHEXIA: 2755
CADAVER: 19, 1861–1862, 2531
CADMIUM: 38, 787, 907, 1467, 2232
CADMIUM POISONING: 99
CAERULEIN: 1186
CAFFEINE: 23, 404, 1326, 2183, 2554, 3670
CALCIFICATION, PHYSIOLOGIC: 62, 410, 987, 1011, 1312, 2144, 4204
CALCINOSIS: 135, 317, 366, 488, 774, 1389, 1512, 1765, 1796, 2143, 2856, 3151, 3234, 3286, 3403, 3567, 3913, 4174
CALCITONIN: 74–75, 335, 404, 602, 610, 617, 702, 730, 743, 882, 1197, 1389, 1405, 1592, 1728, 1895, 1912, 2595, 2667, 2794, 2924, 2932, 3231, 3332, 3647, 3814, 3823, 3832–3833, 3973, 4131, 4192, 4431, 4433
CALCIUM: 17, 38–39, 59, 62, 67, 74–75, 77, 83, 147, 166, 174–175, 203, 240, 244, 250, 276, 294, 307, 310, 316, 322, 335, 358, 366, 372, 377, 393–394, 404, 410, 433, 438, 440, 447, 464, 474, 481, 543, 556, 559, 569, 588, 623, 645, 655, 657, 702, 722–724, 729, 735, 737, 739, 754, 806, 822, 852, 854, 858, 865, 868, 871, 882, 884, 914, 933, 949, 979–980, 984, 990, 992, 999, 1013, 1015, 1018, 1085, 1099–1100, 1107, 1141, 1146, 1151, 1157, 1202, 1217, 1240–1241, 1252, 1280, 1285, 1299, 1310, 1327, 1359, 1365, 1384, 1386, 1389, 1395, 1408, 1410, 1440, 1444, 1446, 1452–1454, 1466–1467, 1489, 1493, 1513, 1549, 1567, 1588, 1615, 1620, 1630, 1641, 1648, 1670, 1691, 1708, 1726, 1759, 1771, 1774–1775, 1780, 1812, 1854, 1869, 1872, 1886, 1900, 1937, 1947, 1950, 1955, 1977–1978, 1982, 1989, 1992, 2020, 2046, 2054, 2089, 2091, 2149, 2169, 2176, 2188, 2210, 2216, 2223, 2228, 2232, 2243, 2263, 2290, 2295, 2328–2330, 2350, 2364, 2389, 2402, 2404, 2433, 2456, 2468, 2470, 2472, 2478, 2481, 2490, 2525, 2534, 2570, 2575, 2583, 2598, 2602, 2622, 2655, 2659, 2667, 2725, 2772, 2794, 2827, 2837, 2840, 2843, 2872–2873, 2911, 2922, 2924, 2932, 2934, 2938, 2948, 2964, 2969, 2982, 3011, 3038, 3040, 3048, 3056, 3064, 3068, 3072, 3079, 3119, 3156, 3160, 3164, 3170, 3194, 3198, 3210, 3214, 3218, 3228–3229, 3263, 3266, 3273, 3280, 3293, 3297, 3299, 3312, 3320, 3332, 3351, 3354, 3378, 3433, 3471–3472, 3488, 3496, 3521, 3525, 3530, 3602, 3623, 3638, 3644, 3660, 3693, 3715, 3720, 3740–3741, 3764, 3766, 3814, 3832–3833, 3836, 3844, 3854, 3863, 3876–3879, 3902, 3910, 3941, 3943, 3973, 3976, 3983, 3985, 4044, 4081, 4097, 4106, 4112, 4130–4133, 4142–4144, 4147, 4153, 4162, 4188–4189, 4203, 4206, 4222, 4226, 4263, 4266, 4285–4286, 4290–4291, 4293, 4311, 4317, 4346, 4357, 4372, 4397, 4407, 4424
CALCIUM CARBONATE: 377, 3367
CALCIUM CHLORIDE: 372, 2216
CALCIUM, DIETARY: 179, 1146, 1205, 2389, 3011, 3048, 3312, 3985, 4387, 4389, 4411
CALCIUM METABOLISM DISORDERS: 166, 3218, 3693, 3910, 4044, 4317
CALCIUM PHOSPHATES: 377, 2315, 2886, 3271
CALCIUM RADIOISOTOPES: 1955, 2228, 2243, 4097, 4132
CALCULI: 3878
CALLUS: 2484
CALORIC INTAKE: 479, 3028, 3997
CALORIMETRY: 2442
CALORIMETRY, DIFFERENTIAL SCANNING: 1154
CAMELS: 3641, 3667
CANARIES: 3781
CANDIDA ALBICANS: 577, 940, 3760, 3986
CANNABIDIOL: 4304
CANNABINOIDS: 525
CANNABIS: 2409
CANRENOATE POTASSIUM: 399, 770
CANRENONE: 770
CAPILLARIES: 321, 557
CAPILLARY FRAGILITY: 566
CAPILLARY PERMEABILITY: 2, 3546, 4006
CAPROATES: 1751, 3028
CAPSAICIN: 2957
CAPSULES: 501, 2774, 2788, 4016
CARBACHOL: 914, 1937, 1988, 2254, 2433, 3293, 3621, 4237, 4407
CARBAMAZEPINE: 262, 504, 1685, 3763, 4347
CARBAZOCHROME: 391
CARBIMAZOLE: 3146, 3503, 4072
CARBOHYDRATE DEHYDROGENASES: 1807
CARBOHYDRATE METABOLISM, INBORN ERRORS: 2440
CARBOHYDRATES: 88, 559, 718, 1099, 1572, 1945, 2124, 2476, 2802, 3098, 3132, 3401, 3443, 3664, 3761, 3997, 4008
CARBOLINES: 1114
CARBON: 747
CARBON DIOXIDE: 608, 1381, 1571, 2008, 2469, 3164, 3907, 4243
CARBON DISULFIDE: 26, 693
CARBON RADIOISOTOPES: 817, 859, 1133
CARBON TETRACHLORIDE POISONING: 1761
CARBONATES: 2394, 3071
CARBONIC ANHYDRASE: 618, 1435, 3907
CARBONIC ANHYDRASE INHIBITORS: 1021–1022
CARBONYL CYANIDE P-TRIFLUOROMETHOXYPHENYLHYDR: 1241
CARBOXY-LYASES: 539, 2351, 3521
CARBOXYLIC ACIDS: 2613
CARCINOEMBRYONIC ANTIGEN: 526, 2492, 3309, 4068, 4125
CARCINOGENS: 2618, 3560, 3636
CARCINOGENS, ENVIRONMENTAL: 3213
CARCINOID TUMOR: 1948, 3157, 3810
CARCINOMA: 49, 81, 88, 376, 1405, 1448, 1728, 1814, 1829, 1912, 2158, 2171, 2364, 2786, 3027, 3262, 3534, 3673, 3829, 3872, 3920, 3932, 4113, 4161, 4192
CARCINOMA 256, WALKER: 3948
CARCINOMA, BRONCHIOLAR: 1891
CARCINOMA, BRONCHOGENIC: 1307
CARCINOMA, BROWN-PEARCE: 2895
CARCINOMA, DUCTAL: 9, 2291
CARCINOMA, EHRLICH TUMOR: 2117
CARCINOMA, EPIDERMOID: 5, 90, 496, 613, 986, 1363, 1542, 2407, 2645, 2695
CARCINOMA IN SITU: 88, 3676
CARCINOMA, MUCINOUS: 71
CARCINOMA, OAT CELL: 1859, 3262, 3718
CARCINOMA, PAPILLARY: 613, 1329, 1472, 3003, 3027, 3175, 3331, 3376, 3673, 3949
CARCINOMA, TRANSITIONAL CELL: 2481, 2520
CARDIAC GLYCOSIDES: 1357, 1759, 3059, 3303, 4271
CARDIAC OUTPUT: 98, 138, 278, 320, 373, 497, 1378, 1574, 1596, 2008, 2165, 2190, 2360, 3196, 3923, 4009, 4215
CARDIAC PACING, ARTIFICIAL: 1855
CARDIAC TAMPONADE: 16, 3487
CARDIOLIPINS: 2518
CARDIOPULMONARY BYPASS: 218, 3806, 3889
CARDIOSPASM: 65
CARDIOVASCULAR DISEASES: 523, 537, 630, 740, 1027, 1712, 3595, 3779, 4087, 4170
CARDIOVASCULAR SYSTEM: 740, 1371, 3456, 4037
CARMUSTINE: 515, 1315, 3415
CARNIVORA: 396
CAROTENE: 2566
CAROTID ARTERIES: 971, 1167, 1316, 2052, 2466, 2739, 3404
CAROTID ARTERY DISEASES: 3657
CAROTID ARTERY, INTERNAL: 465, 3657
CAROTID SINUS: 807, 1933, 4009
CARP: 1184, 1959
CARPAL BONES: 1741
CARPAL TUNNEL SYNDROME: 1433, 2057, 2675
CARRAGEENAN: 102, 141, 4103
CARRIER PROTEINS: 62, 107, 250, 417, 593, 645, 659, 1253, 1511, 1723, 1854, 1863, 2212, 2290, 2311, 2350, 2973, 3038, 3117, 3432, 3690, 3818, 3836, 3969, 4026, 4143–4144, 4188
CARTILAGE: 937, 2685, 2838, 3100, 4039
CARTILAGE, ARTICULAR: 4089
CARTILAGE DISEASES: 2093
CASEIN: 62, 800, 1714, 2959, 2986, 3309, 3443
CASTRATION: 1, 31, 37, 122, 252, 260, 270, 428, 458, 463, 487, 503, 507, 552, 659, 665, 679, 797, 799, 804, 834, 842, 845, 908, 916, 950, 994, 1043, 1068, 1074, 1096, 1150, 1160, 1226, 1266, 1295, 1345, 1358, 1415, 1431–1432, 1445, 1494, 1534–1535, 1589, 1619, 1643–1645, 1682, 1703, 1716, 1761, 1856, 1960, 1999, 2049, 2141, 2219, 2247, 2260, 2304, 2349, 2366, 2391, 2467, 2471, 2522, 2588, 2630, 2641, 2645, 2745–2746, 2797, 2816, 2842, 2991, 3036, 3126, 3130, 3205, 3221, 3250, 3283, 3310, 3341, 3494, 3757, 3864, 3899, 3919, 3963, 3984, 4027, 4062, 4093–4094, 4096, 4113, 4150, 4156, 4211, 4236, 4245, 4363
CASTS, SURGICAL: 3277

CAT DISEASES: 1121, 3776
CATALASE: 1646
CATALEPSY: 2660, 2961
CATALYSIS: 50, 902
CATARACT: 76, 802, 2495, 4294
CATARACT EXTRACTION: 2180
CATECHOL METHYLTRANSFERASE: 108, 458, 1622, 2445
CATECHOLAMINES: 53, 60, 292, 338–339, 373, 466, 469, 497, 598, 604, 616, 894, 1010, 1030, 1060, 1099, 1223, 1276–1277, 1357, 1402, 1561, 1727, 1830, 1916, 1937, 2042, 2082, 2148, 2198, 2208, 2239, 2264, 2313, 2336, 2361, 2365, 2442, 2510, 2573, 2602, 2919, 2971, 3035, 3082, 3088, 3173, 3253, 3269, 3427, 3460, 3575, 3622, 3684, 3696, 3708, 3906, 3977, 4091, 4149, 4183, 4197, 4229, 4287, 4341
CATECHOLS: 1705
CATHARTICS: 437, 3807, 4030
CATHEPSIN: 900, 944, 1821
CATHETERIZATION: 483, 586, 1339
CATIONS: 758, 867
CATIONS, DIVALENT: 77, 381, 464, 1359, 1454, 2177, 2232, 2508, 2570, 4203
CATIONS, MONOVALENT: 77, 588
CATS: 17, 89, 178, 347, 354, 356, 446, 497, 614, 984, 1121, 1130, 1148, 1251, 1304, 1381, 1469–1470, 1539, 1672, 1852, 1885, 1917, 1991, 2042, 2076, 2154, 2260, 2298, 2315, 2448, 2503–2504, 2751, 2756, 2826, 2830, 2993, 3206, 3291, 3305, 3441, 3776, 3903, 3967, 4002, 4009, 4012, 4129, 4315, 4341, 4400
CATTLE: 136–137, 186, 253, 266, 283, 294, 305, 311, 347, 365, 367–368, 383, 444, 467, 548, 592, 628, 640, 716, 728, 741, 747, 761–762, 844, 848, 854–855, 877, 884, 888, 926, 946, 951, 991, 1020, 1071, 1085, 1176, 1207, 1251, 1284, 1302, 1317, 1361, 1364, 1443, 1477, 1508, 1546, 1554, 1606, 1621, 1649, 1752–1753, 1767, 1789, 1833, 1864, 1869, 1882, 1896, 1921, 2015, 2020, 2034, 2105, 2177, 2194, 2246, 2331, 2405, 2463, 2474, 2528–2529, 2562, 2657–2658, 2684, 2721, 2769, 2853, 2875, 2879, 2922, 2980, 2987, 3004, 3052, 3063, 3071, 3122–3123, 3129, 3158, 3163, 3270, 3294, 3438, 3454, 3471, 3518, 3526, 3555, 3602, 3624, 3638, 3649, 3686, 3716, 3721, 3725, 3728, 3743, 3830, 3982, 4006, 4058, 4111, 4198, 4256, 4286, 4336–4337, 4343, 4354, 4387–4390, 4398, 4406
CATTLE DISEASES: 854, 888, 1071, 1649, 1896, 2015, 2463, 3454, 3728, 4286, 4406
CAUCASOID RACE: 273, 673, 2909, 3107, 4313
CAUDATE NUCLEUS: 108, 354, 713, 1062, 1148, 1356, 1587, 1991, 2420, 3125, 3484–3485, 3644, 3873
CAVERNOUS SINUS: 465, 869, 3657, 4374
CEFAZOLIN: 249, 3528
CELIAC DISEASE: 1559
CELIAC PLEXUS: 614
CELL ADHESION: 426, 2905, 3525, 4061
CELL AGGREGATION: 860, 1046, 1377, 2582, 3525
CELL COMMUNICATION: 443, 3120, 3935
CELL COUNT: 931, 1090, 1103, 2899
CELL CYCLE: 726, 1846, 2309, 2340, 2490, 2618, 2796, 3384, 4151, 4342
CELL DIFFERENTIATION: 49, 66, 150, 545, 557, 827, 921, 1135, 1226, 1329, 1370, 1707, 1762, 1881, 1918, 2375, 2538, 2549, 2578, 2617, 2783, 3055, 3070, 3076, 3120, 3183, 3501, 3525, 3598, 3966, 4168, 4194, 4385
CELL DIVISION: 20, 32, 115, 150, 631, 668, 723, 1046, 1224, 1275, 1332, 1409, 1593, 1846, 1891, 1918, 1946, 1949, 2100, 2375, 2490, 2578, 2617, 2625, 2796, 2899, 3120, 3183, 3683, 3749, 4149, 4151, 4168, 4258, 4308, 4342
CELL FRACTIONATION: 784, 1258, 1670, 1921, 3639, 3739, 4398
CELL-FREE SYSTEM: 1151, 1523, 2183, 3120, 3385, 3607, 3739, 4153
CELL FUSION: 2618, 3116
CELL LINE: 32, 115, 248, 318, 668, 730, 769, 817, 889, 993, 1091, 1275, 1397, 1468, 1793, 1807, 1891, 1946, 2239, 2347, 2386, 2416, 2472, 2510, 2523, 2676, 2735, 2779, 2824, 2940, 2942, 3115–3116, 3120, 3292–3293, 3300, 3338, 3381, 3397, 3525, 3746, 3879, 3906, 4249, 4302, 4342, 4355
CELL MEMBRANE: 29, 302, 318, 323, 475, 502, 573, 645, 691, 705, 771, 784, 788, 822, 855, 984, 1017, 1116, 1136, 1153, 1157, 1424, 1474, 1480–1481, 1502, 1529–1530, 1589, 1745, 1982, 2003, 2149, 2361–2362, 2413, 2461, 2497, 2550, 2659, 2721, 2759, 2853, 2857, 3098, 3338, 3543, 3621, 3773, 3834, 4297, 4375, 4398
CELL MEMBRANE PERMEABILITY: 127, 438, 470, 979–980, 1410, 1726, 2362, 2982, 3156, 3170, 3683, 3983
CELL MIGRATION INHIBITION: 2140
CELL MOVEMENT: 818, 1419, 1895, 2145, 3754, 3760, 3966, 4194
CELL NUCLEOLUS: 2337, 3217, 3955
CELL NUCLEUS: 302, 480, 557, 686, 700, 1074–1075, 1207, 1344, 1424, 1477, 1594, 2071, 2158, 2240, 2271, 2287, 2337, 2460, 2626, 2682, 2746, 2780, 2792, 2858, 2907, 2978, 3024, 3026, 3115–3116, 3457, 3592, 3646, 3700, 3739, 3823, 3928, 3955, 3969, 4090, 4224, 4375
CELL NUMBER: 32, 1012, 1393, 1515, 1564, 1663, 1762, 1904, 2510, 2528, 2805, 3257, 3357
CELL SEPARATION: 1305, 2375, 2642, 3462, 4140, 4277
CELL SURVIVAL: 32, 189, 456–457, 545, 1253, 1305, 1468, 1521, 2617, 3746
CELL TRANSFORMATION, NEOPLASTIC: 54, 115, 150, 668, 1275, 1846, 2473, 2510, 2618, 4128
CELL TRANSFORMATION, VIRAL: 668, 2473
CELL WALL: 2812
CELLS: 358, 1498
CELLS, CULTURED: 68, 150, 196, 204, 267, 271, 341, 456, 475, 607, 616, 631, 705, 741, 839, 860, 872–873, 921, 930, 1010, 1046, 1092, 1201, 1296, 1409, 1726, 1749, 1895, 1982, 2090, 2100, 2107, 2196, 2272, 2340, 2375, 2457, 2490, 2571, 2578, 2780, 2785, 2796, 2940–2941, 3066, 3138, 3183, 3251, 3261, 3353, 3381, 3521, 3543, 3643, 3655, 3739, 3907, 3935, 3948, 4057, 4111, 4168, 4231–4232, 4308, 4385
CELLULAR INCLUSIONS: 91, 3157, 3176
CELLULITIS: 1844, 3065
CELLULOSE: 1921
CENTCHROMAN: 72, 103–104, 840, 845–846, 1345, 1905, 1938, 2207, 2793, 2817, 3356, 3604, 4048
CENTRAL NERVOUS SYSTEM: 638, 870, 1145, 1869, 2504, 2631, 3485, 3622, 4145
CENTRAL NERVOUS SYSTEM DISEASES: 184, 630, 3182, 3657, 3824
CENTRAL VENOUS PRESSURE: 807, 2154
CENTRIFUGATION: 3754, 4277
CENTRIFUGATION, DENSITY GRADIENT: 30, 1321, 3432, 3508
CENTRIFUGATION, ZONAL: 2286
CEPHALEXIN: 1755
CEPHALOMETRY: 4250
CEPHALOSPORINS: 1755, 3528
CEPHALOTHIN: 1755
CEPHRADINE: 1755
CERAMIDE TRIHEXOSIDASE: 2227
CERCOPITHECUS: 484, 3636
CEREALS: 3542
CEREBELLAR CORTEX: 300
CEREBELLAR NEOPLASMS: 1492, 2157, 3657
CEREBELLAR NUCLEI: 111, 627
CEREBELLOPONTILE ANGLE: 3657
CEREBELLUM: 614, 716, 772, 921, 1439, 1776, 2283, 3469, 3482, 4176
CEREBRAL ANEURYSM: 1898, 2302, 3182, 3246, 3426
CEREBRAL ANGIOGRAPHY: 1731, 2300, 2302, 3469
CEREBRAL AQUEDUCT: 3719, 4002
CEREBRAL ARTERIES: 60, 1009, 1885, 2751
CEREBRAL ARTERIOSCLEROSIS: 2181–2182, 2302
CEREBRAL CORTEX: 89, 110, 277, 300, 460, 588, 614, 624, 776, 878, 1029, 1108–1110, 1148, 1230, 1280, 1316, 1373, 1492, 1831, 1917, 2154, 2292, 2544, 2716, 2853, 3072, 3586, 3679–3680, 4137, 4293, 4343
CEREBRAL EMBOLISM AND THROMBOSIS: 1009, 4262
CEREBRAL HEMORRHAGE: 883, 1769, 1898, 2047, 4221, 4262
CEREBRAL ISCHEMIA, TRANSIENT: 100, 1316, 2751, 4197
CEREBRAL SCLEROSIS, DIFFUSE: 2885
CEREBRAL VENTRICLE NEOPLASMS: 560, 1163, 3152, 3719, 4115, 4405
CEREBRAL VENTRICLES: 28, 505, 627, 1062, 1109, 1304, 1444, 1952, 2058, 2157, 2420, 3042, 3127, 4028, 4327
CEREBROSPINAL FLUID: 277, 1304, 1500, 2733
CEREBROSPINAL FLUID PROTEINS: 2939
CEREBROSPINAL FLUID SHUNTS: 277
CEREBROVASCULAR CIRCULATION: 98, 2154, 2181–2182, 2867
CEREBROVASCULAR DISORDERS: 88, 755, 1227, 1879, 2047, 2739, 3081, 3779, 4087, 4197
CERULOPLASMIN: 3433
CERUMEN: 3107
CERVICAL PLEXUS: 1370
CERVICITIS: 205
CERVIX DISEASES: 1871
CERVIX DYSPLASIA: 4420
CERVIX EROSION: 3393
CERVIX MUCUS: 43, 1058, 1391, 2923
CERVIX NEOPLASMS: 88, 205, 214, 1843, 1915, 1934, 2152, 2607, 3209, 4420
CERVIX UTERI: 781, 2607, 2613
CESAREAN SECTION: 943, 1065, 1733, 1736, 1770, 2527, 3874, 3895
CESIUM: 1726, 3941
CESIUM RADIOISOTOPES: 329, 2617
CESTODA: 3122–3123
CHALCONE: 2054
CHALONES: 1127, 1986
CHARCOAL: 4029
CHEDIAK-HIGASHI SYNDROME: 426, 2421
CHELATING AGENTS: 358, 2330, 2827
CHEMICAL INDUSTRY: 26, 56
CHEMISTRY: 250–251, 420, 559, 645, 937, 1220, 1323, 1502, 1868–1869, 2132, 2212, 2354, 2375, 2405, 2481, 3080, 3094, 3236, 3443, 3737, 3915, 3983, 4006, 4213, 4359
CHEMISTRY, PHARMACEUTICAL: 63, 1889, 2814, 3579
CHEMISTRY, PHYSICAL: 1111–1112, 1570, 1986, 2054, 3160, 3789, 4003, 4362
CHEMORECEPTORS: 2076, 2119, 2216, 2884, 3113
CHEMOTAXIS: 726, 818, 2111, 2216, 2582, 2913
CHEMOTAXIS, LEUKOCYTE: 818, 2905, 3006, 3754, 3760, 4019
CHIARI-FROMMEL SYNDROME: 1976
CHICK EMBRYO: 557, 827, 1311, 1661, 1726, 2442, 2538, 2835, 2838, 3038, 3432, 3520, 3809, 3838
CHICKENS: 224, 250, 287, 338, 363, 474, 728, 897–898, 919, 937, 1066, 1225, 1322, 1349, 1362, 1434, 1620, 1655, 1674, 1752, 1853, 2095, 2290, 2298, 2344, 2405, 2442, 2554, 2595, 2677, 2759, 2948, 2969, 2972, 3021, 3026, 3037, 3457, 3734, 4209–4210, 4269
CHILD: 27, 44, 51, 65, 69, 81, 84–85, 87, 94, 114, 165, 186–187, 191, 203, 208, 211–212, 225, 231, 254, 258, 262, 276–277, 286, 307, 311, 345, 377, 386, 418, 427–429, 436, 445, 448, 450, 476–477, 495, 514, 560, 581, 597, 601, 637, 648, 707, 739, 745, 790, 801, 811, 850, 874, 910–911, 927, 935, 949, 981, 998, 1019, 1077, 1092–1093, 1095, 1132, 1212, 1259–1260, 1301, 1308, 1343, 1346, 1351, 1417, 1422, 1427, 1472, 1492, 1499, 1501, 1526, 1553, 1559, 1569, 1584, 1616, 1627, 1629, 1640, 1654, 1663, 1676, 1696–1697, 1702, 1704, 1707, 1717, 1731, 1741, 1778, 1798, 1804, 1806, 1808, 1820, 1860, 1866, 1880, 1902, 1965, 1982, 1984, 1990, 2017, 2019, 2022, 2025, 2073, 2081, 2130, 2150, 2157, 2161, 2195, 2224, 2226, 2242, 2276, 2300, 2303, 2307, 2324, 2328, 2345, 2379, 2398, 2401, 2424–2425, 2447, 2452, 2485, 2487, 2493, 2540, 2556–2557, 2560, 2563, 2569, 2589, 2610, 2629, 2647, 2649, 2672, 2685, 2708, 2725, 2739, 2741, 2776, 2790, 2800, 2818–2819, 2829, 2831, 2850, 2856, 2885, 2931, 2939, 2947, 2954, 2984, 3028, 3046–3048, 3107, 3141, 3151, 3192, 3213, 3216, 3224, 3233, 3257, 3277, 3287, 3304, 3317, 3322–3323, 3328, 3332, 3348, 3358, 3390, 3393–3394, 3399, 3405, 3413, 3426, 3431, 3469, 3500, 3513, 3527, 3558, 3571, 3578, 3581, 3585, 3591, 3601, 3618, 3635, 3674, 3695, 3702, 3711, 3719, 3723, 3808, 3817, 3825, 3843, 3860–3862, 3869, 3900–3901, 3913, 3920, 3957, 3962, 3971, 3991, 3994, 4021, 4033, 4035, 4060, 4069, 4082, 4098, 4104, 4115, 4120, 4145, 4155, 4179, 4202, 4204, 4221, 4223, 4275, 4296, 4329, 4369, 4381, 4400, 4405, 4413, 4417, 4430, 4432

CHILD ABUSE: 277, 3711
CHILD BEHAVIOR DISORDERS: 436
CHILD CARE: 449
CHILD DEVELOPMENT: 87, 2462
CHILD DEVELOPMENT DEVIATIONS: 2401
CHILD GUIDANCE CLINICS: 436
CHILD, PRESCHOOL: 64–65, 69, 84, 87, 114, 165, 186–187, 203, 208, 225, 254, 262, 277, 286, 291, 307, 311, 345, 377, 429–430, 448, 459, 514, 551, 560, 581, 601, 637, 679, 801, 869, 874, 910, 935, 949, 998, 1093, 1308, 1343, 1351, 1385, 1387, 1417, 1422, 1427, 1492, 1526, 1532, 1538, 1559, 1569, 1584, 1629, 1640, 1663, 1697, 1717, 1741, 1748, 1798, 1804, 1806, 1820, 1866, 1965, 2016–2017, 2022, 2038, 2073, 2081, 2130, 2150, 2204, 2226, 2252, 2265, 2303, 2324, 2328, 2379, 2398, 2424, 2452, 2485, 2487, 2493, 2569, 2589, 2610, 2649, 2656, 2685, 2725, 2739, 2741, 2800, 2818, 2828, 2831, 2931, 3046–3048, 3180, 3216, 3257, 3287, 3316, 3322, 3332, 3348, 3399, 3416, 3426, 3527, 3558, 3566, 3591, 3601, 3618, 3719, 3723, 3817, 3860, 3862, 3869, 3885, 3900, 3913, 4022, 4052, 4060, 4115, 4145, 4179, 4204, 4260, 4296, 4369, 4396, 4400, 4403, 4405, 4430, 4432
CHILD REARING: 2135
CHIMERA: 3726, 4119
CHIMPANZEES: 4394
CHINCHILLAS: 1878
CHINESE MEDICINE: 2186
CHIPMUNKS: 903–904, 2155
CHLORALOSE: 2674
CHLORAMBUCIL: 679, 949, 958, 1124, 2041, 2053, 3290
CHLORAMPHENICOL: 2819, 4221
CHLORATES: 180
CHLORDIAZEPOXIDE: 3034
CHLORIDES: 180, 638, 1152, 1395, 1528, 2133, 2181, 2469, 2541, 2927, 2964, 3063, 3238, 3429, 3764
CHLORIMIPRAMINE: 715, 2281, 2412, 2544
CHLORMADINONE: 768, 888, 1882, 2532, 3406, 3526
CHLORMETHAMPHETAMINE: 2420
P-CHLOROAMPHETAMINE: 709, 715, 2281, 2420
O-CHLOROBENZYLIDENE MALONITRILE: 3291
CHLOROFORM: 2886
CHLOROHYDRINS: 1496, 2674
CHLOROMERCURIBENZOATES: 3553, 3858
P-CHLOROPHENYLALANINE: 756, 1114, 2094, 2236–2237, 2533, 2547, 2623, 3219
CHLOROQUINE: 3369, 3740, 4111
CHLOROTHIAZIDE: 4195, 4439
CHLOROTRIANISENE: 1428
CHLORPROMAZINE: 481, 655, 776, 929, 1685, 1699, 2823, 2947, 3882, 3903, 4195
CHLORTETRACYCLINE: 588
CHLORTHALIDONE: 3019, 4439
CHOICE BEHAVIOR: 952, 3535
CHOLECALCIFEROLS: 84, 250, 310, 417, 585, 925, 1202, 1434, 1678, 1686, 1872, 1913, 2338, 2417, 2622, 2950, 3080, 3320, 3328, 3809, 4065, 4415
CHOLECYSTITIS: 130, 3242, 3597
CHOLECYSTOGRAPHY: 247
CHOLECYSTOKININ: 2257, 3441, 4322
CHOLELITHIASIS: 130, 2827, 3242, 3322, 3597
CHOLERA: 216
CHOLERA TOXIN: 161, 216, 248, 593, 1005, 1193, 1368, 3088, 3227, 4017, 4232
CHOLESTADIENOLS: 109, 643, 2950
CHOLESTASIS: 2550, 3281, 3597
CHOLESTEATOMA: 3358
CHOLESTEROL: 121, 186, 256, 431, 499, 579, 632, 1002, 1020, 1133, 1160, 1225, 1297, 1335, 1372, 1509, 1712, 1745, 1767, 1778, 1782, 1946, 2241, 2311, 2570, 2637, 2652, 3123, 3208, 3392, 3476, 3529, 3662, 3909, 3978, 3999, 4256, 4398
CHOLESTEROL ACYLTRANSFERASE: 4339
CHOLESTEROL DESMOLASE: 4281
CHOLESTEROL, DIETARY: 3978
CHOLESTEROL ESTERS: 1002, 1133, 4339
CHOLESTYRAMINE: 1755
CHOLIC ACIDS: 279
CHOLINE: 2133, 2472, 2840, 3063, 3168, 4293
CHOLINE ACETYLTRANSFERASE: 1370, 1631–1632, 2519, 2823, 3183, 3355, 3467, 3521
CHOLINERGIC FIBERS: 347
CHOLINESTERASE INHIBITORS: 435, 1021–1022, 1291, 3355
CHOLINESTERASES: 1561, 3458
CHONDROCALCINOSIS: 1107
CHONDRODYSTROPHIA CALCIFICANS CONGENITA: 3913
CHORDA TYMPANI NERVE: 2957, 3114
CHORIOADENOMA: 2140
CHORIOCARCINOMA: 290, 482, 496, 510, 752, 773, 812, 1442, 1652, 2027, 2047, 2140, 2248, 2262, 2282, 3256, 3618, 3962, 4249
CHORION: 336, 1995, 3842
CHORIONIC VILLI: 1061, 2282, 2579
CHORIORETINITIS: 938, 1672
CHORISTOMA: 1610
CHOROID: 2021
CHOROID NEOPLASMS: 2248
CHOROID PLEXUS: 638, 3286
CHROMAFFIN GRANULES: 1284, 1606, 3063, 3471, 3638
CHROMAFFIN SYSTEM: 824, 829, 984, 1284, 1606, 2336, 3063, 3157, 3638, 3810
CHROMATIDS: 1296, 2192, 3935
CHROMATIN: 664, 1620, 1975, 2071, 2183, 2562, 3217, 3834
CHROMATOGRAPHY: 764, 1270, 1324, 1613, 2950, 3438
CHROMATOGRAPHY, AFFINITY: 153, 365, 670, 864, 946, 1136, 1723, 1753, 3582, 3928, 4224, 4354
CHROMATOGRAPHY, AGAROSE: 937, 3384
CHROMATOGRAPHY, DEAE-CELLULOSE : 1321, 1648, 2286, 3334, 3709, 4015, 4306
CHROMATOGRAPHY, GAS: 10–12, 70, 565, 857, 913, 964, 1045, 1346, 1804, 1910, 2186, 2581, 3014, 3542, 3576, 3611, 3890
CHROMATOGRAPHY, GEL: 30, 399, 670, 946, 1136, 1725, 1753, 2404, 2945, 3069, 3709, 3753, 3871, 4045, 4306, 4343
CHROMATOGRAPHY, HIGH SPEED LIQUID: 380, 519, 843, 1364, 1678, 1751, 1909, 2804, 2950, 3289, 3542, 3792, 4005, 4034, 4065
CHROMATOGRAPHY, ION EXCHANGE: 374, 399, 911, 1723, 3077, 3709, 3871, 4331, 4354
CHROMATOGRAPHY, LIQUID: 11–12, 565, 964, 1321, 1628, 4340
CHROMATOGRAPHY, PAPER: 271, 2960, 4066
CHROMATOGRAPHY, THIN LAYER: 192, 271, 380, 643, 1804, 1952, 2845, 2922, 3202, 3284, 3947
CHROMATOPHORES: 1489, 2659
CHROMIUM: 440
CHROMIUM-COBALT ALLOYS: 1185
CHROMIUM RADIOISOTOPES: 263, 4103
CHROMOGRANINS: 1606
CHROMOSOMAL PROTEINS, NON-HISTONE: 363, 3183, 3911
CHROMOSOME ABERRATIONS: 375, 500, 790, 851, 863, 930, 1092, 1124, 1296, 1832, 1865, 2616, 2785, 3195, 3213, 3935, 4369
CHROMOSOME DELETION: 76, 375, 3287
CHROMOSOME MAPPING: 3250
CHROMOSOMES: 930, 1049, 1300, 2699, 2779, 2785, 3731, 3911, 4302
CHROMOSOMES, HUMAN: 1296, 1557, 2779, 4128
CHROMOSOMES, HUMAN, 1–3: 1832, 3544, 4369
CHROMOSOMES, HUMAN, 6–12: 19, 76, 500, 1019, 1626, 2282, 2434, 2592, 2616, 3287, 3544
CHROMOSOMES, HUMAN, 13–15: 500, 1832, 3544
CHROMOSOMES, HUMAN, 16–18: 1499
CHROMOSOMES, HUMAN, 21–22: 19, 790, 1124, 1832, 2592, 3213
CHRONIC DISEASE: 401, 521, 587, 629, 704, 861, 940, 1206, 1541, 1647, 1672, 1835, 1901, 1926, 2021, 2028, 2053, 2193, 2307, 2485, 2648, 2651, 2747, 2996, 3246, 3352, 3566, 3594, 3597, 3833, 3859, 3895, 4270
CHYLOMICRONS: 328, 344
CHYMOTRYPSINOGEN: 3351
CILIA: 1848
CILIARY BODY: 953
CILIATA: 3354
CIMETIDINE: 232, 2258, 2500, 4434
CIRCADIAN RHYTHM: 40, 129, 338, 507, 1263, 1340, 1374, 1430, 1432, 1483, 1534, 1662, 1818, 1941, 2172, 2180, 2387, 2679, 2682, 2696, 2738, 2744, 2841, 2917, 2993, 3005, 3010, 3039, 3110, 3266, 3275, 3288, 3504, 3623, 3665, 3710, 3845, 3909, 4123, 4172, 4260, 4325, 4335, 4356
CIRCLE OF WILLIS: 2739
CIRCULAR DICHROISM: 1361, 1774, 1886
CIRCUMCISION: 205
CISTERNA MAGNA: 28, 646, 4327
CITRATES: 919, 1872, 2295, 2583, 2982, 4400
CITROVORUM FACTOR: 2708, 3824, 4254
CLAMS: 1653
CLAVICLE: 2499
CLEFT PALATE: 311, 459, 3548
CLIMACTERIC: 251, 2213, 3388, 3797, 4042, 4313
CLIMATE: 2442
CLITORIS: 3919
CLOBETASOL: 519
CLOFIBRATE: 262, 1685, 4219–4220
CLOMIPHENE: 134, 238, 387, 1366, 1562, 1851, 1873, 1902, 1905, 2219, 2454, 2567, 3220, 3446, 3568, 3604, 3663, 3674, 3953, 3959
CLONAZEPAM: 2823
CLONE CELLS: 674, 1409, 1623, 1807, 2838, 3120, 3338, 3370, 3415, 3906, 4302
CLONIDINE: 646, 797, 1282, 1298, 3230, 4064
CLOPAMIDE: 4382
CLORGYLINE: 1199, 2449
CLOSTRIDIOPEPTIDASE A: 1971, 3563, 4045
CLOSTRIDIUM: 806, 1971
CLOTHING: 675
CLOTRIMAZOLE: 4216
CLOZAPINE: 198
CLUBFOOT: 1560, 3499
COAGULANTS: 856
COBALT: 38, 3496, 3879, 3941, 4357
COBALT RADIOISOTOPES: 1561, 2450, 3209
COBRA VENOMS: 2712
COCAINE: 481, 2208
COCARCINOGENESIS: 3519
COCCYX: 4387–4390
CODEINE: 778
COELENTERATA: 77
COENZYMES: 1621
COGNITION: 734
COITUS: 489
COLCHICINE: 426, 1666, 1793, 2007, 2352, 3255, 3653, 3886
COLD: 405, 502, 820, 1397, 1547, 1725, 2289, 2322, 2539, 2846, 2873, 3640, 3881, 4243
COLIC: 2045
COLIPHAGES: 1289
COLITIS: 412
COLITIS, ULCERATIVE: 1125, 1206, 1548, 4368
COLLAGEN: 195–196, 248, 256, 730, 944, 1742, 1796, 2007, 2077, 2374, 2654, 2851, 3516, 3529, 3563, 4045, 4102, 4222, 4425
COLLAGEN DISEASES: 680, 2268, 2556, 2700, 4425
COLLOIDS: 3264
COLON: 83, 437, 783, 3156, 4266
COLONIC DISEASES: 245, 1857, 2301, 4393
COLONIC NEOPLASMS: 71, 388, 1017, 1350, 2239, 2416, 2451, 3213, 4438
COLONY STIMULATING FACTOR: 1409
COLOR: 3000
COLOR BLINDNESS: 4294
COLOSTOMY: 1038
COMA: 1941, 2408, 2692, 4038
COMMUNICABLE DISEASE CONTROL: 1365
COMMUNICABLE DISEASES: 2556
COMMUNITY MENTAL HEALTH SERVICES: 436
COMPLEMENT: 33, 66, 1992, 2436, 3006, 3370
COMPLEMENT 1: 818, 2770
COMPLEMENT 2: 818
COMPLEMENT 3: 263, 818, 4195, 4253
COMPLEMENT 5: 818
COMPLEMENT FIXATION TESTS: 1672
COMPLEMENT INACTIVATORS: 263
COMPOUND 48-80: 2606
COMPUTERS: 367, 1210, 3345, 3769, 4301
COMPUTERS, ANALOG: 2362
CONALBUMIN: 3021
CONCANAVALIN A: 365, 539, 1749, 2042, 2878, 3870, 4151
CONDITIONING, CLASSICAL: 2119, 2415, 3125, 3670
CONDITIONING, OPERANT: 2415

CONFUSION: 1088
CONGRESSES: 4441
CONJUNCTIVA: 938, 2021, 2655
CONJUNCTIVITIS: 3724
CONNECTIVE TISSUE: 1146, 2851, 3286, 3424, 4023
CONSANGUINITY: 1259, 2017, 3345
CONSCIOUSNESS: 3193
CONSTIPATION: 437
CONSTRICTION: 82, 4164
CONTACT INHIBITION: 115, 4342
CONTACT LENSES: 4294
CONTINGENT NEGATIVE VARIATION: 2415
CONTRACEPTION: 205, 449, 2269, 3552, 3625, 3727
CONTRACEPTION, IMMUNOLOGIC: 3727
CONTRACEPTIVE AGENTS: 1196, 2724, 3417
CONTRACEPTIVE AGENTS, FEMALE: 1732, 3727, 3942
CONTRACEPTIVES, ORAL: 4, 88, 92, 107, 121, 181, 221, 264, 289, 301, 344, 385, 431, 575, 695, 765, 856, 879, 1027, 1051, 1138, 1171, 1250, 1297, 1315, 1353, 1388, 1436, 1544, 1572, 1635, 1679, 1879, 1883, 1935, 1957, 2033, 2045, 2068, 2249, 2334, 2367, 2532, 2571, 2635, 2773, 2785, 2790, 2933, 2985, 3007, 3101, 3161, 3188, 3190, 3232, 3245, 3281, 3361, 3377, 3450, 3476, 3483, 3552, 3554, 3595, 3625–3626, 3727, 3751, 3767, 3770, 3777, 3779, 3784, 4049, 4087, 4207, 4294, 4386, 4414, 4420, 4443, 4445
CONTRACEPTIVES, ORAL, COMBINED: 344, 575, 765, 1315, 1353, 1883, 1935, 2249, 2367, 2635, 3281, 3767
CONTRACEPTIVES, ORAL, HORMONAL: 205, 449, 695, 813, 1026, 1242, 1250, 1572, 1635, 1883, 1885, 2067, 2454, 2785, 3007, 3188, 3377, 3450, 3554, 3777, 3784, 3802, 4414, 4443, 4445
CONTRACEPTIVES, ORAL, SEQUENTIAL: 3190
CONTRACEPTIVES, ORAL, SYNTHETIC: 92, 121, 189, 301, 344, 431, 1138, 1353, 1544, 1883, 1935, 2068, 2571, 3476, 4049, 4386
CONTRACEPTIVES, POSTCOITAL: 72, 1392, 1865, 1938, 2793, 3697
CONTRACEPTIVES, POSTCOITAL, HORMONAL: 1392, 1865
CONTRACEPTIVES, POSTCOITAL, SYNTHETIC: 72, 1938, 2793
CONTRACTILE PROTEINS: 545, 3354, 4143–4144
CONTRACTURE: 1427
CONTRAST MEDIA: 247, 440, 2170, 2416, 2733, 3152, 3572, 3593, 3719, 4069
CONTUSIONS: 259, 2521
CONVALESCENCE: 682
CONVULSIONS: 544, 1187, 1227, 1373, 2260, 2919, 3427, 4170, 4197, 4260
COPPER: 657, 879, 1572, 1608, 1708, 2020, 2033, 2373, 3433, 3979
COPULATION: 243, 665, 710, 950, 1644, 2471, 2745, 4020
CORN: 192, 868, 1066, 3542
CORNEA: 366, 424, 953, 2272, 2655, 2838, 3517, 4283
CORNEAL DISEASES: 4294
CORNEAL DYSTROPHIES: 1257
CORNEAL OPACITY: 366
CORONARY CIRCULATION: 98, 218, 1381, 2194, 2360, 2844, 3806, 4037
CORONARY DISEASE: 88, 121, 186, 218, 462, 532–533, 608, 657, 740, 1297, 1378, 1422, 1596, 1797, 3118, 3361, 3513, 4123, 4138, 4220
CORONARY VESSELS: 971, 1408, 2194, 2640, 3523, 4121, 4220, 4311
CORPORA ALLATA: 1390
CORPUS CALLOSUM: 1130, 2420
CORPUS LUTEUM: 220, 396, 973, 1520, 1894, 2326, 3203, 3417, 3649, 3921, 4025, 4111, 4167, 4244, 4256
CORPUS LUTEUM CYST: 3, 2577
CORPUS LUTEUM HORMONES: 3144, 3308
CORPUS LUTEUM MAINTENANCE: 3203
CORPUS LUTEUM REGRESSION: 3203
CORPUS STRIATUM: 451, 858, 870, 1108, 1110, 1237, 1356, 1439, 1476, 1575, 1634, 1776, 1831, 1991, 2120, 2448, 2686, 2880, 2961, 3305, 3422, 3467, 3486, 3507, 3748, 4002, 4137, 4236
CORTICAL DESYNCHRONIZATION: 2594
CORTICOSTERONE: 96, 274, 416, 483, 535, 547, 678, 699, 731, 759, 821, 916, 941, 1220, 1383, 1430, 1461, 1483, 1622, 1809, 1811, 1818, 1830, 1987–1988, 1996, 2010–2011, 2136, 2160, 2445, 2696, 2801, 2824, 2862, 2925, 3126, 3159, 3288, 3336, 3429, 3689, 3835, 3845, 3995, 4139, 4180, 4217–4218, 4220, 4226, 4269, 4379
CORTICOTROPIN: 163, 171, 201, 234, 268, 274, 412, 420, 441, 446, 460, 483, 504, 591, 634, 681, 687, 698, 731, 769, 960, 974, 977, 989, 1001, 1088, 1182, 1220, 1243, 1251, 1265, 1298, 1659, 1662, 1695, 1711, 1859, 1968, 2010–2011, 2062–2063, 2148, 2230, 2237, 2324, 2356, 2387, 2396, 2400, 2426, 2446, 2509, 2644, 2649–2650, 2715, 2735, 2740, 2824, 2842, 2859, 2865–2866, 2894, 2925, 2940, 2944, 2966, 2988, 3126, 3225, 3262, 3375, 3399, 3445, 3481, 3496, 3537, 3594, 3645, 3872, 3917, 3924, 3980–3981, 4047, 4076, 4084, 4166, 4185, 4243, 4260, 4269, 4323
CORTICOTROPIN RELEASING HORMONE: 292, 1662, 1809, 1811, 1893, 2148, 2509, 3481, 3924, 4343
CORTISONE: 162, 282, 321, 333, 912, 966, 1012, 1053, 1088, 1203, 1488, 1509, 1516, 1618, 1671, 1927, 2043, 2247, 2283, 2652, 2662, 2762, 2802, 2996, 3085, 3370, 3419, 3559, 3640, 3713, 3890, 4194, 4345
CORTODOXONE: 483, 660, 1001, 2859
CORYNEBACTERIUM: 1665
CORYNEBACTERIUM INFECTIONS: 1665
COSTS AND COST ANALYSIS: 1465, 1637
COSYNTROPIN: 234, 2069, 2324, 2715, 2865, 3885
COTTON: 287
COTURNIX: 179, 1916
COUGH: 3246
COUMARINS: 1597, 2606
COUNSELING: 2423
COURTSHIP: 2471
COXSACKIE VIRUSES: 2129
CRANIAL NERVE NEOPLASMS: 3046
CRANIAL NERVES: 3618
CRANIAL SINUSES: 2062
CRANIOFACIAL DYSOSTOSIS: 1259, 2017, 2147, 3702
CRANIOPHARYNGIOMA: 1163, 1492, 1800, 2085, 2506, 2739, 2867, 3152, 3426, 3442, 3860, 3989, 4115–4116, 4405
CREATINE: 116, 859
CREATINE KINASE: 116, 1378, 1668, 1866, 3069, 3186, 3260, 3863, 4220
CREATININE: 42, 116, 147, 185, 191, 307–309, 600, 862, 1128, 1328, 2600, 2725, 3332, 3405, 3444, 3522, 4014, 4206
CRESOLS: 148, 924
CRETINISM: 2697, 2828
CRITICAL CARE: 42
CRONOLONE: 3574
CROSS REACTIONS: 183, 187, 635, 1166, 3541, 4004, 4306
CROSSES, GENETIC: 3250, 3842
CROSSING OVER (GENETICS): 3935
CROUP: 4120
CROWDING: 820
CRUSTACEA: 3247
CRYOGENIC SURGERY: 5
CRYOTHERAPY: 1650
CRYPTORCHISM: 482, 849, 935, 1441, 1658, 1880, 1897, 2904, 3373, 3454, 3527, 4281, 4296, 4432
CRYSTALLIZATION: 473, 996
CUES: 952
CULTURE MEDIA: 32, 115, 148, 150, 341, 741, 885, 1646, 2400, 2578, 2875, 2940–2941, 3098, 3183, 3280, 3865, 4168, 4308, 4355, 4385
CUSHING'S SYNDROME: 123, 226, 299, 355, 371, 632, 828, 960, 1064, 1346, 1957, 1968, 2062–2063, 2230, 2328, 2438, 2446, 2453, 2560, 2644, 2717, 2836, 2945, 2966, 2988, 3081, 3254, 3262, 3274–3275, 3492, 3829, 3868, 3872, 3971, 4287
CUSPID: 3538
CYANATES: 3371
CYANIDES: 1326, 3826
CYANOACRYLATES: 1658
3',5'-CYCLIC AMP PHOSPHODIESTERASE: 631, 659, 863, 1437–1438, 1489–1490, 1523, 1601, 2309, 2350, 2673, 2922, 3183, 3660, 3838, 3857, 3948, 4142, 4371
3',5'-CYCLIC GMP PHOSPHODIESTERASE: 631, 1145, 1601, 1648, 2837, 4342
2',3'-CYCLIC NUCLEOTIDE PHOSPHODIESTERASE: 645, 757
CYCLIZATION: 2132, 2968
CYCLOFENIL: 148, 924
CYCLOHEXIMIDE: 109, 338, 447, 692, 769, 833, 873, 891, 1232, 1373, 1673, 2003, 2942, 3400, 3746, 4231, 4408
CYCLOLEUCINE: 1232
CYCLOPENTANES: 1474
CYCLOPHOSPHAMIDE: 94, 143, 191, 231, 448, 515, 601, 679, 802, 1012, 1038, 1127, 1132, 1206, 1221, 1231, 1343, 1558, 1861–1862, 1928, 2053, 2123, 2158, 2370, 2431, 2436, 2568, 2863, 3421, 3545, 3658, 3778, 3824, 3841, 3843, 4031, 4209, 4254, 4268
CYCLOSTOMES: 1681
CYLINDROMA: 613
CYNOMOLGUS MONKEYS: 3636
CYPRINIDAE: 677, 1184, 1959
CYPROHEPTADINE: 1834, 2412
CYPROTERONE: 122, 408, 421, 1242, 3498
CYSTADENOCARCINOMA: 265, 819, 4068
CYSTADENOMA: 3240, 4128
CYSTADENOMA, MUCINOUS: 3172, 3242, 4068, 4299
CYSTADENOMA, PAPILLARY: 955, 1401
CYSTEINE: 1825, 2502, 2658
CYSTIC FIBROSIS: 456–457, 862, 939, 1982, 2599
CYSTINE: 738, 4263
CYSTINURIA: 4263
CYSTITIS: 3545
CYSTS: 306, 455, 703, 1257, 1348, 1830, 2002, 2599, 3060, 3313, 3527
CYTARABINE: 91, 95, 1468, 3300, 3824
CYTOCHALASIN B: 769, 921, 984, 1397, 1666, 3273
CYTOCHALASINS: 769
CYTOCHROME OXIDASE: 244, 3009
CYTOCHROME P-450: 279, 367, 1020, 1036, 1767, 2105, 2570, 2782, 3295, 4010, 4147, 4256, 4279
CYTOCHROME REDUCTASES: 784, 4147
CYTOCHROMES: 1978, 2782, 3295, 4398
CYTODIAGNOSIS: 349, 603, 2259, 3376, 3811
CYTOGENETICS: 2785
CYTOLOGICAL TECHNICS: 3907
CYTOMEGALIC INCLUSION DISEASE: 3413
CYTOMEGALOVIRUSES: 2079
CYTOPLASM: 175, 480, 557, 1007, 1157, 1342, 1344, 1424, 1594, 1708, 2138, 2158, 2219, 2287, 2460, 2792, 2881, 2998, 3024, 3255, 3508, 3529, 3721
CYTOPLASMIC GRANULES: 217, 347, 984, 1229, 1253, 1258, 1728, 2606, 2753, 2924–2925, 3613, 3823, 3980, 4041
CYTOSOL: 30, 323, 705, 721, 834, 867, 897, 1006, 1043, 1074, 1096, 1112, 1202, 1207, 1269, 1403, 1477, 1723, 1847, 1872, 1975, 2080, 2149, 2167, 2171, 2311, 2359, 2361, 2604, 2622, 2706, 2736, 2791, 2874, 2879, 2907, 2978, 3115, 3336, 3536, 3735, 3814, 4090, 4224, 4285, 4336
CYTOTOXICITY, IMMUNOLOGIC: 691, 750, 1420, 1749, 3154, 3760, 4119
CYTOTOXICITY TESTS, IMMUNOLOGIC: 3922, 4117
CYTOTOXINS: 3006

D

D 600: 3496
DACARBAZINE: 697, 2174
DACTINOMYCIN: 151, 679, 692, 1560, 2183, 2654, 2825, 3300, 3739, 4408
DAIRYING: 2463
DANAZOL: 1433, 3241, 3483, 3589, 4096, 4257
DANTROLENE: 3854
DAPSONE: 2465, 3760
DARK ADAPTATION: 4407
DARKNESS: 1349, 3270, 3504, 3866
DAUNOMYCIN: 95, 1468, 3994
DDT: 2858, 3194
DEAF-MUTISM: 1783
DEAFNESS: 1617, 2044, 2103
DEALKYLATION: 922, 2342
DEAMINATION: 1199
DEAMINO ARGININE VASOPRESSIN: 262, 1320, 1374, 3226, 4348

DECALCIFICATION, PATHOLOGIC: 2046
DECEREBRATE STATE: 1451, 1809, 2141
DECIDUA: 4252
DECOMPRESSION: 2789
DECOMPRESSION SICKNESS: 1509
DEER: 487
DEFENSE MECHANISMS: 3418
DEFICIENCY DISEASES: 2556, 3279
DEFOLIANTS, CHEMICAL: 287, 877
DEHYDRATION: 16, 2477, 2871, 3226, 3897, 3930, 3972, 4237
DEHYDROASCORBIC ACID: 1376
DEHYDROCHOLESTEROLS: 643, 2950
DEHYDROEPIANDROSTERONE: 80, 389, 441, 881, 906, 1045, 1138, 2359, 2603, 2644, 3674, 3785, 3887, 3947, 4083, 4156
DELAYED-ACTION PREPARATIONS: 841, 2865
DELIRIUM: 198
DELIRIUM TREMENS: 198, 1227
DELIVERY: 1736, 2688, 2979, 3274, 3895, 3923, 3944, 4014
DEMENTIA, PRESENILE: 495, 1626
DEMYELINATION: 2265, 2939, 4262
DENDRITES: 772, 1486–1487, 2743
DENERVATION: 941, 1440, 1647, 1987, 3840, 4133
DENIAL (PSYCHOLOGY): 2423
DENSITOMETRY, X-RAY: 1785
DENTAL ARCH: 981
DENTAL CALCULUS: 1011
DENTAL CARE: 1227, 1588, 4170
DENTAL CARIES: 800, 1567
DENTAL CARIES ACTIVITY TESTS: 3347
DENTAL ENAMEL: 1389
DENTAL IMPLANTATION, ENDOSSEOUS: 1185, 1930, 2168, 3386, 3750
DENTAL PLAQUE: 2886, 3347
DENTAL PORCELAIN: 2168, 3750
DENTAL PROPHYLAXIS: 2886
DENTAL PROSTHESIS: 3979
DENTAL PULP: 1127
DENTAL PULP CAPPING: 3049
DENTAL PULP EXPOSURE: 3049
DENTAL STRESS ANALYSIS: 1930
DENTIFRICES: 3347
DENTIGEROUS CYST: 2597
DENTIN: 1567
DENTINOGENESIS: 1536–1537
DENTISTRY, OPERATIVE: 4170
DENTURE, PARTIAL, FIXED: 2220
DEOXY SUGARS: 394, 2030, 3827
DEOXYADENINE NUCLEOTIDES: 2183
DEOXYADENOSINE: 1565
DEOXYCHOLIC ACID: 279, 871, 2721
DEOXYCYTOSINE NUCLEOTIDES: 2183
DEOXYGLUCOSE: 394, 1258, 2030, 3827, 3907
DEOXYGUANINE NUCLEOTIDES: 2183
DEOXYRIBONUCLEASE: 3115, 4142
DEOXYRIBONUCLEOPROTEINS: 3217
DEPRESSION: 954, 1171, 1374, 2423, 2910, 3418–3419, 4075, 4325
DEPRESSION, CHEMICAL: 202, 525, 570, 647, 652, 840, 901, 997, 1497, 1824, 1883, 1887, 1905, 2284, 2403, 2686, 2719, 2792, 2873, 3352, 3395, 3572, 3662, 3951, 4131, 4337
DERMATAN SULFATE: 2092
DERMATITIS: 1629, 3032, 4110
DERMATITIS, ATOPIC: 818, 3348
DERMATITIS HERPETIFORMIS: 3363, 3760
DERMATITIS MEDICAMENTOSA: 1654, 2708
DERMATOGLYPHICS: 2104, 4223
DERMATOMYCOSES: 2629
DERMATOMYOSITIS: 94
DERMOID CYST: 1800, 3235, 3240
DESERT CLIMATE: 405
DESIPRAMINE: 252, 2716, 3429
DESONIDE: 3381
DESOXYCORTICOSTERONE: 194, 274, 297, 463, 483, 821, 885, 901, 1461, 1528, 1530, 1706, 1962, 2070, 2160, 2387, 2524, 2945, 3014, 3238, 3655, 3803–3804, 3819, 3868, 4226, 4310
DETERGENTS: 279, 323, 326, 624, 871, 2149, 2210, 2853
DEUTERIUM: 2295
DEXAMETHASONE: 2, 456–457, 475, 628, 633, 660, 683, 687–688, 742, 793, 901, 922, 1032–1033, 1035, 1045, 1121, 1147, 1220, 1304, 1347, 1526, 1593, 1694, 1739, 1758, 1784, 1807, 1836, 1888, 1891, 1987, 2090, 2136, 2328, 2387, 2488, 2551, 2560, 2644, 2708, 2743, 2815, 2824, 2879, 2944, 2966, 3037, 3115–3116, 3275, 3300–3301, 3336, 3399, 3411, 3517, 3617, 3721, 3724, 3739, 3803, 3868, 3871, 3953, 4005, 4101, 4198, 4216, 4231, 4260, 4262, 4269, 4277, 4349, 4408
DEXTRAN: 102, 1140, 1992, 2437, 3925, 4090, 4341
DEXTROTHYROXINE: 3513
DIABETES INSIPIDUS: 171, 262, 386, 853, 1449, 1629, 1656, 1685, 2011, 2252, 2348, 2459–2460, 2653, 2753, 3097, 3226, 3591, 3609, 3927
DIABETES MELLITUS: 86, 135, 411, 523, 566, 583, 596, 621–622, 676, 774, 808, 1002, 1195, 1292, 1297, 1572, 1844, 2046, 2460, 2637, 2710, 2747–2748, 2832, 3005, 3180, 3253, 3466, 3549, 3751, 3761, 3802, 3856, 3954, 3987, 4100, 4273, 4323
DIABETES MELLITUS, EXPERIMENTAL: 135, 324, 2681, 3058, 3122–3123, 3258, 3267, 3464–3466, 3749, 3759
DIABETES MELLITUS, JUVENILE: 386, 514, 1543, 1748, 2563, 3394, 4273
DIABETIC ANGIOPATHIES: 566, 4273
DIABETIC COMA: 1227
DIABETIC NEPHROPATHIES: 676, 4273
DIABETIC RETINOPATHY: 566, 621, 4273
DIACETYL: 761
DIAGNOSIS, DIFFERENTIAL: 97, 181, 200, 226, 349, 409, 429, 442, 455, 482, 488, 527, 556, 680, 742, 809, 853, 880, 1048, 1077, 1249, 1257, 1314, 1325, 1348, 1371, 1412, 1602, 1737–1738, 1769, 1884, 1898, 1974, 1990, 2017, 2047, 2062–2063, 2074, 2128, 2130, 2221, 2235, 2238, 2306, 2345, 2401, 2411, 2461, 2477, 2545, 2656, 2675, 2760, 2809, 2834, 2892, 2906, 2992, 3011, 3017, 3232–3233, 3238, 3245, 3313, 3316, 3376, 3403, 3431, 3493, 3515, 3651, 3723, 3811, 3938, 4155, 4161, 4185, 4262, 4361, 4393, 4438
DIAGNOSIS, LABORATORY: 782, 1325, 1730
DIAGNOSTIC ERRORS: 221, 235, 1203, 1375, 1743, 2002, 3299, 3718, 3987
DIALYSIS: 687, 753
DIAMIDE: 438
DIAMMONIUM CHLOROPLATINUM COMPOUNDS: 493, 600, 2641, 3147
DIAPER RASH: 4080
DIAPHRAGM: 286, 1703, 1754, 2756
DIAPHRAGMATIC HERNIA: 4069
DIAPHYSEAL DYSPLASIA, PROGRESSIVE: 3798
DIARRHEA: 437, 1307, 2591, 3566
DIARRHEA, INFANTILE: 1449, 2477
DIATHERMY: 3640
DIAZEPAM: 73, 1294, 2906, 4091
DIAZOXIDE: 3230
DIBENZAZEPINES: 198, 2544
DIBENZOCYCLOHEPTENES: 858
DIBENZOXEPINS: 4006
DIBUTYRYL CYCLIC AMP: 248, 539, 663, 674, 855, 1010, 1030, 1807, 1867, 2111, 2197, 2347, 2351, 2386, 2429, 2472, 2654, 2676, 2735, 2835, 3079, 3227, 3921, 4226, 4231
DIBUTYRYL CYCLIC GMP: 3079, 4241, 4355
2,6-DICHLOROINDOPHENOL: 926
DICHLOROISOPROTERENOL: 4036
DICHLOROMETHYLENE DIPHOSPHONATE: 393
DICTYOSTELIUM: 726, 1326, 1377, 2512, 2582, 2783, 3229
DIENCEPHALON: 2448, 2728, 4076
DIESTRUS: 2175, 2207, 2630, 3261, 3796
DIET: 446, 805, 830, 879, 952, 1066, 1142, 1205, 1422, 1491, 1588, 1766, 1796, 2033, 2372, 2381, 2387, 2463, 2909, 3008, 3238, 3851, 3954
DIET, REDUCING: 546, 2088
DIET, SALT-FREE: 320, 807, 941, 1725, 2010–2011, 2125, 2372, 2670, 2888, 3013, 3445
DIETARY CARBOHYDRATES: 1297
DIETARY FATS: 579, 806, 1066, 1142, 1297, 1869, 3877
DIETARY FIBER: 305
DIETARY PROTEINS: 62, 800, 995, 1137, 1142, 2986
DIETHYLCARBAMAZINE: 1936, 4400
DIETHYLDITHIOCARBAMATE: 1373
DIETHYLSTILBESTROL: 240, 1170, 1269, 1705, 1934, 2070, 2657–2658, 2899, 3163, 4113, 4193
DIFFUSION: 39, 4039
DIGEORGE SYNDROME: 3180
DIGESTION: 266
DIGESTIVE SYSTEM: 98
DIGITALIS GLYCOSIDES: 339, 1357, 3419
DIGITONIN: 2188, 2194
DIGITOXIN: 339
DIGOXIN: 339
DIHYDRALAZINE: 3230
DIHYDROERGOCORNINE: 3251
DIHYDROERGOCRYPTINE: 29, 53
DIHYDROERGOTAMINE: 93, 716
DIHYDROERGOTOXINE: 53, 1933
DIHYDROPROGESTERONE: 271, 769, 1097
DIHYDROPTERIDINE REDUCTASE: 372
DIHYDROTACHYSTEROL: 585, 739, 2949
DIHYDROXYCHOLECALCIFEROLS: 179, 275–276, 310, 393, 570, 623, 712, 719, 730, 735, 897–898, 1217, 1434, 1511, 1552, 1620, 1691, 1950, 2167, 2206, 2290, 2417, 2936, 2969, 3297, 3766, 3809, 4415
3,4-DIHYDROXYPHENYLACETIC ACID: 108, 2961
5,6-DIHYDROXYTRYPTAMINE: 715, 2378, 2728, 3206
5,7-DIHYDROXYTRYPTAMINE: 252, 2544
DIHYDROXYTRYPTAMINES: 870
DIIODOTYROSINE: 3678
DILATATION, PATHOLOGIC: 4296
DIMETHOXYPHENYLETHYLAMINE: 2587
DIMETHYL SULFOXIDE: 1009, 1621
DIMETHYLAMINES: 1635
9,10-DIMETHYL-1,2-BENZANTHRACEN: 924, 1050, 1794, 1909, 2881, 3963, 4105
DIMETHYLTRYPTAMINE: 2587, 3289
DINITROPHENOLS: 1326, 1690, 2474, 3273, 4111
DIOCTYL SULFOSUCCINATES: 4030
DIOXOLANES: 2281, 2772
DIPEPTIDASES: 2980
DIPHENHYDRAMINE: 3423
DIPHOSPHOGLYCERIC ACIDS: 3923, 4377
DIPHOSPHONATES: 393, 1244
DIPHTHERIA TOXOID: 1527
DIPLOIDY: 1296, 4128, 4355
DIPLOPIA: 1456, 1627, 2078
DIPROPYL ACETATE: 504, 778, 2519
DIPYRIDAMOLE: 2719, 4429
DIRECTORIES: 4418
DISABILITY EVALUATION: 2939
DISACCHARIDASES: 900
DISCRIMINATION (PSYCHOLOGY): 952, 2191
DISCRIMINATION LEARNING: 3535
DISEASE: 3979
DISEASE MODELS, ANIMAL: 197, 216, 308, 452, 745, 944, 1133, 1549, 1609, 1665, 1900, 2236, 2553, 2575, 2639, 2677, 2872, 2910, 3312, 3749, 3864, 4222, 4281
DISEASE OUTBREAKS: 2677
DISEASE VECTORS: 1672
DISEASES IN TWINS: 673, 1235, 3801, 4190
DISGERMINOMA: 69, 76, 159, 428, 552, 910, 1016, 1123, 1595, 1689, 1772, 1897, 2304, 2645, 2739, 2856, 2912, 3233, 3256, 3742, 3860–3861, 3867, 4040, 4124, 4396
DISINFECTANTS: 612, 3565
DISINFECTION: 1365
DISODIUM CROMOGLYCATE: 2307, 2606, 2621, 3064, 3991, 4186, 4437
DISOPYRAMIDE: 1964
DISSEMINATED INTRAVASCULAR COAGULATION: 189, 265, 1081, 2537, 3101, 3324, 3592, 4063
DISULFIDES: 1153
DISULFIRAM: 3575
DITHIONITROBENZOIC ACID: 4203
DITHIOTHREITOL: 2000
DIURESIS: 82, 309, 708, 770, 894, 941, 1128, 1685, 2190, 2279, 3276, 3763, 3840, 3972, 4036, 4348, 4382
DIURETICS: 2, 278, 546, 567, 949, 1341, 2382, 2888, 2906, 2932, 3059, 3068, 4248, 4271
DIURETICS, MERCURIAL: 2382
DIURETICS, OSMOTIC: 2382
DIURETICS, SULFAMYL: 4382
DIURETICS, THIAZIDE: 567, 791, 2081, 2382, 2534, 4382
DIURNAL RHYTHM: 164, 403, 416, 586, 704, 903, 1349, 1439, 1907, 1941, 2211, 2738, 2966,

3270, 3412, 3504, 3623, 3803–3804, 3835, 3866, 3872, 3909, 3967, 3982, 4118, 4243, 4325, 4335, 4353, 4356
DIVERTICULITIS: 4393
DMPP: 1208–1209
DNA: 115, 370, 383, 484, 539, 555, 748–749, 795, 1044, 1092, 1170, 1226, 1236, 1275, 1289, 1311, 1332, 1418, 1515, 1521, 1619, 1807, 1951, 2038, 2071, 2183, 2268, 2287, 2312, 2375, 2457, 2482, 2490, 2562, 2626, 2811–2812, 3037, 3070, 3169, 3668, 3686, 3757, 3864, 4027, 4055, 4067, 4128, 4151, 4176, 4253, 4324, 4380
DNA, BACTERIAL: 2935
DNA, NEOPLASM: 1046, 1891
DNA POLYMERASES: 1275
DNA, RECOMBINANT: 4422
DNA REPAIR: 1044, 2502, 3834
DNA REPLICATION: 930, 2100, 2183, 3300
DNA RESTRICTION ENZYME: 484, 748–749, 2038, 2935, 3301
DNA, SATELLITE: 484, 749
DNA, SINGLE STRANDED: 2268, 3250, 3834
DNA, VIRAL: 2473, 3300–3301, 4422
DOG DISEASES: 1089, 1121, 1828, 2836, 3414
DOGFISH: 824, 2008
DOGS: 16, 28, 34, 72, 82, 98, 100, 138, 206, 210, 218, 257, 269, 307, 312, 338, 370, 446, 497, 533, 569–570, 608, 649, 807, 855, 894, 933, 1009, 1067, 1089, 1121, 1133, 1167–1168, 1178, 1185, 1251, 1298, 1327, 1336, 1339, 1353, 1378, 1384, 1388, 1408, 1488, 1577, 1650, 1674, 1687, 1700, 1718, 1813, 1828, 1845, 1885, 1930, 1938, 1983, 2127, 2168, 2190, 2199, 2285–2286, 2322, 2360, 2412, 2466–2467, 2575, 2640, 2701, 2820, 2836, 2880, 2963, 3008, 3033, 3074, 3094, 3109, 3111, 3215, 3225, 3346, 3359, 3386, 3414, 3441, 3445, 3555, 3588, 3606–3607, 3624, 3630, 3655, 3662, 3670, 3687, 3720, 3749, 3768, 3794, 3806, 3840, 3925, 3960, 3968, 3972, 3977, 4009, 4012, 4121, 4164, 4169, 4228, 4244, 4248, 4258, 4270, 4322, 4327, 4331, 4337, 4341, 4400
DOLPHINS: 2514
DOM: 1234
DOMINANCE, CEREBRAL: 614, 1831
DOPA: 1272, 1822, 1892, 2336, 3820
DOPA DECARBOXYLASE: 36, 1370, 4229
DOPAMINE: 36, 60, 108, 172, 300, 347, 425, 548, 647, 674, 689, 713, 780, 796, 799, 824, 1030, 1060, 1108–1110, 1156, 1216, 1223, 1272, 1276–1277, 1295, 1316, 1347, 1476, 1587, 1604, 1623, 1634, 1693, 1867, 1916, 2009, 2049, 2058, 2120, 2191, 2255, 2349, 2365–2366, 2480, 2683, 2686, 2766, 2823, 2860, 2887, 2961, 3251, 3305, 3352, 3422, 3460, 3467, 3587, 3622, 3644, 3652, 3654, 3748, 3820, 3873, 3939–3940, 4036, 4093–4094, 4133, 4137, 4153, 4193, 4197, 4236
DOPAMINE BETA-HYDROXYLASE: 466, 1284, 1292, 1370, 1459, 1546, 1606, 1621, 1833, 1940, 2082, 2684, 2751, 4398
DOSAGE FORMS: 519, 1882, 4065
DOSE-RESPONSE RELATIONSHIP, DRUG: 8, 14, 23, 26, 55, 156, 191, 208, 270, 350, 426, 460, 490, 521, 528, 618, 624, 692, 723, 735, 785, 788, 858, 901, 909, 919, 1146, 1167–1168, 1192, 1232, 1320, 1353, 1356, 1369, 1423, 1432, 1444, 1452, 1454, 1468, 1630, 1889, 1900, 1933, 1959, 2007, 2090, 2148, 2160, 2239, 2260, 2284–2285, 2341, 2347, 2369, 2385, 2470, 2488, 2544, 2565, 2590, 2674, 2687, 2719, 2866, 2905, 2929, 3004, 3017, 3038, 3118, 3127, 3148, 3222, 3255, 3265, 3361, 3411, 3417, 3481, 3507, 3525, 3589, 3604, 3614, 3629, 3648, 3722, 3791, 3848, 3892, 3916, 3939, 3965, 4017, 4030, 4086, 4093–4094, 4131, 4156, 4201, 4236, 4240, 4277, 4343, 4367
DOSE-RESPONSE RELATIONSHIP, IMMUNOLOGIC: 1749, 2606, 3812
DOSE-RESPONSE RELATIONSHIP, RADIATION: 201, 529, 714, 1053, 1247, 1413, 1521, 2127, 2502, 3209
DOUBLE-BLIND METHOD: 251, 301, 310, 477, 704, 940, 1428, 1889, 2535, 2665, 2754, 3348, 3495, 3991, 4253
DOWN'S SYNDROME: 255, 1501
DOXAPRAM: 4243
DOXORUBICIN: 91, 498, 600, 679, 697, 790, 1221, 1315, 2174, 2540, 2863, 3171, 3268, 3343, 3415, 3421, 3843, 3920, 4097, 4254
DRINKING: 505, 745, 1167–1168, 1430, 2378, 2539
DRINKING BEHAVIOR: 941, 2321, 3535, 3659
DROPERIDOL: 3303, 4091
DROSOPHILA MELANOGASTER: 863, 3731
DRUG ABUSE: 496, 1502, 2409, 2556
DRUG ADMINISTRATION SCHEDULE: 251, 746, 927, 1022, 1239, 2665, 2863, 3343, 3994
DRUG ANTAGONISM: 769, 2190, 2794, 4327
DRUG COMBINATIONS: 43, 57, 530, 925, 1121, 1306, 1823, 2041, 2081, 2502, 2566, 3139, 3196, 3424, 3697, 3930, 3968, 4030, 4049, 4171, 4368, 4437
DRUG CONTAMINATION: 577, 2079, 2663
DRUG DEPENDENCE: 823
DRUG EVALUATION: 25, 105, 114, 156, 191, 207, 209, 391, 515, 600, 666, 801, 814–815, 874, 940, 947, 1250, 1273, 1468, 1504, 1685, 1732–1733, 1747, 1880, 1889, 2081, 2122, 2288, 2394, 2419, 2566, 2708, 2776, 2886, 2936, 3031, 3136, 3148, 3298, 3364, 3377, 3575, 3942, 3968, 3991, 4110, 4278, 4373, 4383, 4427
DRUG HYPERSENSITIVITY: 7, 536, 1227, 1502, 3041, 3756, 3994, 4195
DRUG IMPLANTS: 1, 671, 1534–1535, 2690, 2902, 3221, 3738, 3924
DRUG INCOMPATIBILITY: 523, 1218
DRUG INTERACTIONS: 132, 216, 234, 270, 339, 570, 626, 630, 633, 994, 1112, 1154, 1386, 1388, 1453, 1497, 1500, 1526, 1575, 1623, 1727, 1893, 1920, 2043, 2059, 2136, 2194, 2281, 2488, 2781, 2815, 2989, 3059, 3088, 3156, 3419, 3629, 4097, 4100–4101, 4304, 4347, 4429
DRUG LABELING: 261
DRUG RESISTANCE: 456–457, 515, 600, 697, 1097, 1221, 2174, 3116, 3171, 3370, 3415, 3497, 3948
DRUG RESISTANCE, MICROBIAL: 1665, 4008, 4370
DRUG SCREENING: 270, 1389, 3167, 3392, 3560, 3769, 3968, 4012, 4215
DRUG STABILITY: 63, 70, 417, 753, 843, 871, 1073, 2000, 2279, 2491, 2837, 2926, 2976, 3355, 3858, 4362
DRUG SYNERGISM: 312, 515, 649, 704, 1186, 1282, 1672, 2043, 2189, 2208, 2505, 2532, 2534, 2719, 3356, 3614, 3619, 3780, 3917, 4193, 4272
DRUG THERAPY: 832, 954, 1247, 2256, 3139, 3747, 4271
DRUG THERAPY, COMBINATION: 22, 37, 54–55, 91, 114, 143, 191, 231, 328, 388, 391, 412, 448, 498, 515, 600–601, 684, 697, 704, 1034, 1125, 1132, 1197, 1221, 1468, 1526, 1533, 1558, 1617, 1645, 1685, 1688, 1713, 1928, 2069, 2165, 2174, 2189, 2370, 2435, 2494, 2499, 2516, 2540, 2708, 2818, 2863, 2991, 3103, 3171, 3268, 3317, 3367, 3372, 3421, 3434, 3446, 3453, 3513, 3601, 3756, 3824, 3841, 3843, 3988, 3994, 4031, 4195, 4216, 4235, 4254, 4264, 4268, 4295, 4437
DRUG TOLERANCE: 778, 2292, 3497
DRUG WITHDRAWAL SYMPTOMS: 2179, 2391, 3487, 3835
DRUGS: 1588, 1705, 2178, 2870, 4271, 4418
DRUGS, NON-PRESCRIPTION: 3018
DUCKS: 535, 1311, 1463, 2677, 3054
DUCTUS ARTERIOSUS, PATENT: 2432
DUODENAL DISEASES: 4427
DUODENAL NEOPLASMS: 2014
DUODENAL ULCER: 232, 2046, 3827, 3967, 4118, 4427, 4434
DUODENUM: 392, 897, 967, 1325, 1467, 3038, 3157, 3967, 3973
DURA MATER: 6, 317, 3286, 3469
DUST: 56
DWARFISM: 360, 386, 459, 495, 581, 981, 1019, 1092, 1259, 1626, 1651, 1808, 2017, 2083–2084, 2142, 2147, 2192, 2460, 2563, 2589, 3548, 3558, 3566, 3702, 3711, 3815, 3935, 4361
DWARFISM, PITUITARY: 44, 133, 581, 981, 2637, 3028, 4273
DYES: 464
DYSKINESIA, DRUG-INDUCED: 2136
DYSPAREUNIA: 4042
DYSPNEA: 2906, 3266

E

EAR: 286
EAR DISEASES: 1121, 3358
EAR, EXTERNAL: 228
EAR, MIDDLE: 3358
EARTHWORMS: 2953
EATING: 596, 2264, 2378, 2771, 3249, 4259
ECHINODERMATA: 3943
ECK FISTULA: 3749
ECLAMPSIA: 398
ECTOGENESIS: 2875
ECTROMELIA: 813
ECZEMA: 1382, 3724, 4080, 4110, 4216
EDEMA: 141, 683, 1341, 1506, 2805, 3445, 3545, 4030, 4103, 4341
EDEMA, CARDIAC: 1381
EDROPHONIUM CHLORIDE: 1162, 1291
EDTA: 32, 1352, 1508, 1977, 2402, 2827, 2948, 3539, 3639, 4162
EDUCATIONAL STATUS: 2367
EELS: 2964–2965
EFFERENT PATHWAYS: 3486, 4028
EGG PROTEINS: 447, 1390
EGTA: 39, 172, 174, 368, 372, 481, 1386, 2350, 2982, 3214, 3530, 3764, 3879, 4266
EHLERS-DANLOS SYNDROME: 4425
EJACULATION: 1441, 3283, 4375
ELASTIC TISSUE: 4234
ELASTICITY: 1930
ELASTIN: 4023
ELECTRIC CONDUCTIVITY: 470, 1152, 3941
ELECTRIC STIMULATION: 14, 89, 178, 223, 256, 269, 544, 614, 701, 751, 1025, 1028, 1186, 1213, 1243, 1373, 1440, 1773, 1799, 2131, 2154, 2321, 2539, 2594, 2660–2661, 2683, 2826, 2919, 3125, 3156, 3427, 3440, 3486, 3680, 3699, 3903, 4105, 4121, 4129, 4135, 4182, 4243, 4315, 4372, 4380
ELECTROCARDIOGRAPHY: 943, 2166, 2329, 3211, 3378, 3734, 3900, 3929, 4060
ELECTROCHEMISTRY: 3683
ELECTROCOAGULATION: 256
ELECTRODES: 3323
ELECTRODES, IMPLANTED: 544, 1999
ELECTROENCEPHALOGRAPHY: 17, 89, 644, 754, 1026, 1852, 2181, 2559, 2628, 2660, 3459, 3578, 3799, 4243
ELECTROLYSIS: 701
ELECTROLYTES: 41, 294, 676, 1712, 2469, 2725, 3461, 3958, 4395
ELECTROMAGNETIC FIELDS: 17, 2131
ELECTROMAGNETICS: 2127
ELECTROMYOGRAPHY: 1937, 2826, 2939, 3566
ELECTRON PROBE MICROANALYSIS: 822, 2296
ELECTRON SPIN RESONANCE: 233, 367, 1036, 3071, 3713
ELECTRON TRANSPORT: 2263, 2659, 3683
ELECTRONS: 2152
ELECTROPHORESIS: 288, 1012, 1854, 1999, 2404, 3638
ELECTROPHORESIS, AGAR GEL: 2246
ELECTROPHORESIS, CELLULOSE ACETATE: 3216
ELECTROPHORESIS, DISC: 670
ELECTROPHORESIS, PAPER: 2132, 2778, 2848
ELECTROPHORESIS, POLYACRYLAMIDE GEL: 133, 326, 363, 864, 937, 1321, 1796, 1850, 3160, 3214, 3354, 3818, 3899
ELECTROPHORUS: 2877
ELECTROPHYSIOLOGY: 354, 416, 1991, 2131, 2415, 2484, 2509, 3114, 3221, 3460
ELECTROSHOCK: 547, 994, 2236, 3342, 3998
ELECTROTHERAPY: 2553, 4002
ELEMENTARY PARTICLES: 3299
EMACIATION: 2393, 3606
EMBOLISM: 1055, 3186, 3505
EMBOLIZATION, THERAPEUTIC: 18
EMBRYO: 907, 1126, 1229, 1630, 2769, 3942
EMBRYO, NON-MAMMALIAN: 4285
EMBRYOLOGY: 1733
EMERGENCIES: 69, 1227, 2609, 4373
EMERGENCY SERVICES, PSYCHIATRIC: 733
EMETICS: 4120
EMIGRATION AND IMMIGRATION: 1422
EMOTIONS: 88, 313, 2458, 2865, 3091, 3703
EMPTY SELLA SYNDROME: 306, 1922, 2300, 2302, 2459, 3016, 3828, 3989
EMPYEMA: 1407
ENCEPHALOCELE: 277
ENCEPHALOMYOCARDITIS VIRUSES: 3788
ENDARTERITIS: 4233

ENDOCARDITIS: 265
ENDOCARDITIS, BACTERIAL: 1756, 4170
ENDOCARDIUM: 3806
ENDOCRINE DISEASES: 184, 537, 596, 630, 782, 1571, 1654, 1990, 2023, 2398, 2459, 2536, 2556, 2609, 2634, 2741, 2749, 3046, 3180, 3853, 4170, 4441
ENDOCRINE GLANDS: 61, 98, 129, 472, 693, 1253, 1712, 1925, 2549, 2894, 3024, 3139, 3674, 4018, 4196, 4322, 4441
ENDOCRINOLOGY: 932, 1482, 1484, 2004, 2530, 3479–3480, 4018, 4196, 4319, 4321, 4338, 4441
ENDOMETRIAL HYPERPLASIA: 814
ENDOMETRIOSIS: 1135, 1433, 2317, 3240–3241
ENDOMETRITIS: 3414
ENDOMETRIUM: 251, 768, 814, 836, 1250, 1498, 2317, 2454, 2796, 2817, 2897, 3176, 3179, 3402, 3518, 3639, 3797
ENDONUCLEASES: 484
ENDOPLASMIC RETICULUM: 413, 816, 1283, 1390, 1507, 1761, 1931, 2470, 2474, 3529
ENDORPHINS: 193, 268, 362, 420, 1182, 1184, 1277, 1356, 1374, 1555, 1684, 1860, 2369, 2396, 3342, 3397, 3703, 4028, 4043, 4075
ENDOSCOPY: 3, 333, 531, 1961
ENDOTHELIUM: 181, 424, 1297, 1593, 2457, 3961, 4222
ENDOTOXINS: 66, 84, 1399, 1986, 4247–4248, 4248
ENERGY METABOLISM: 244, 810, 1365, 1554, 1907, 2442, 2884, 2896, 3155, 3683, 3983, 3997
ENERGY TRANSFER: 1247, 2152, 2330, 2442
ENFLURANE: 105, 2670–2671
ENKEPHALINS: 193, 362, 1356, 1555, 2369, 3342, 3397, 3703, 3748, 4028, 4075
ENTERITIS: 4427
ENTERITIS, REGIONAL: 998, 1125, 3695
ENTEROBACTER: 2998
ENTEROBACTERIACEAE: 385, 2998
ENTEROCHROMAFFIN CELLS: 3157, 3810
ENTEROCOLITIS, ACUTE: 437, 1755
ENTEROTOXINS: 1152
ENTEROVIRUS INFECTIONS: 4209–4210
ENTEROVIRUSES: 4210
ENVIRONMENT: 2918, 3733, 4020
ENVIRONMENTAL EXPOSURE: 26, 56, 425, 693, 1502, 2397, 2677, 3826, 3869, 4080
ENVIRONMENTAL POLLUTANTS: 3244, 4399
ENVIRONMENTAL POLLUTION: 1297
ENZYME ACTIVATION: 53, 161, 304, 323, 343–344, 372, 384, 521, 539, 593, 616, 618, 645, 663, 723, 871, 946, 993, 997, 1067, 1099, 1176, 1193, 1278, 1299, 1377, 1625, 1725, 1793, 1854, 1981, 2205, 2277, 2350, 2508, 2582, 2721, 2791, 2795, 2880, 2948, 2980, 3073, 3278, 3347, 3384, 3488, 3490, 3501, 3543, 3563, 3624, 3660, 3790, 3873, 3881, 3955, 3976, 4045, 4112, 4130, 4182, 4188, 4232, 4304, 4336, 4409, 4428
ENZYME INDUCTION: 539, 921, 1436, 1477, 1673, 2251, 2571, 2654, 2870, 2883, 2969, 3034, 3051, 3628, 3715, 3838, 4232
ENZYME INHIBITORS: 2069, 4142
ENZYME PRECURSORS: 884, 1721, 1725, 4045
ENZYME REPRESSION: 1523, 1945, 4279
ENZYME TESTS: 139, 512, 1901
ENZYMES: 517, 1498, 1901, 3467, 3908, 4217, 4418
EOSINOPHILIA: 1249, 1548, 2111, 4400
EOSINOPHILS: 95, 1497, 2111, 2222, 2805, 3257, 3396, 3594
EPENDYMA: 549, 627, 1562
EPENDYMOMA: 1492, 2157
EPHEDRINE: 530
EPIDEMIOLOGIC METHODS: 2546, 2909, 3107, 4313
EPIDERMAL GROWTH FACTORS: 839, 1127, 2079, 4111
EPIDERMIS: 340, 4127, 4265
EPIDIDYMIS: 145, 478, 744, 834, 842, 892, 895, 951, 1222, 1441, 1496, 1863, 3204–3205, 3496, 3641
EPIDIDYMITIS: 3527
EPILEPSY: 504, 876, 1776, 1870, 3210, 3218, 3741, 3910
EPILEPSY, FOCAL: 3072
EPILEPSY, PETIT MAL: 1526
EPINEPHRINE: 14, 29, 40, 60, 125, 201, 313, 350–351, 368, 578, 608, 705, 734, 825, 1030, 1056, 1060, 1099, 1122, 1169, 1225, 1290, 1347, 1453, 1459, 1666, 1830, 1833, 1841, 1849, 1916, 1981, 2007–2008, 2208, 2222, 2336, 2361, 2429, 2439, 2468, 2510, 2654, 2738, 2906, 3063, 3149, 3151, 3303, 3359, 3459, 3477, 3496, 3516, 3617, 3622, 3629, 3755, 3903, 3911, 3930, 4084, 4094, 4170, 4183, 4222
EPIPHYSES, SLIPPED: 1417
EPITHELIUM: 68, 475, 502, 557, 700, 771, 827, 1226, 2158, 2390, 2407, 2473, 2538, 2549, 2805, 2923, 2928, 3255, 3329, 3655, 3721, 3823, 4259
EPOXIDE HYDRATASES: 2782
EPOXY COMPOUNDS: 1705, 1868
EPSTEIN-BARR VIRUS: 3213
ERGOCALCIFEROL: 501, 739, 1466, 1512, 1549, 2427, 2949, 3902, 4065
ERGOCORNINE: 1495
ERGOLINES: 423, 1216, 2057, 2327, 3067, 3223, 3305
ERGOSTEROL: 109, 643, 2139, 2342, 2518, 2566, 3615, 4070
ERGOT ALKALOIDS: 1216, 1276, 1513, 1885, 2327
ERGOTOXINE: 1495
EROTICA: 2244
ERYTHEMA: 2083
ERYTHEMA NODOSUM: 556
ERYTHROBLASTOSIS, FETAL: 241, 1365, 1770, 3191, 3970, 4233
ERYTHROCYTE AGING: 1387
ERYTHROCYTE COUNT: 1396
ERYTHROCYTE MEMBRANE: 384, 593, 991, 1279, 2982, 3170, 3327, 3488, 4291
ERYTHROCYTES: 352, 384, 438, 486, 503, 926, 1053, 1224, 1305, 1332, 1385, 1387, 1646, 1663, 1854, 2338, 2819, 2982, 3093, 3170, 3258, 3327, 3457, 3471, 3488, 3757, 3923, 3983, 4061, 4206, 4208, 4291, 4377
ERYTHROLEUKEMIA: 2616
ERYTHROMYCIN: 7, 536
ERYTHROPOIESIS: 20, 580, 1161, 1224, 2090, 3092, 3165, 3580
ERYTHROPOIETIN: 580, 741, 1161, 1306, 1332, 2090, 3092–3093, 3581, 4369
ESCAPE REACTION: 994, 1684, 3306
ESCHERICHIA COLI: 1152, 1690, 1945, 2117, 2124, 2196, 2935, 3098, 3385, 3762, 3789, 4008, 4081, 4422
ESCHERICHIA COLI INFECTIONS: 3762
ESOPHAGEAL NEOPLASMS: 2677, 3511
ESOPHAGEAL STENOSIS: 1965
ESOPHAGEAL VARICES: 333, 644
ESOPHAGITIS: 1965
ESOPHAGOGASTRIC JUNCTION: 957, 1162
ESOPHAGUS: 437, 1855, 1965, 2443, 2855, 3404, 4334
ESTERASES: 975, 1754, 2579, 2924, 3458, 3592, 3896
ESTERIFICATION: 1133, 2241, 3675
ESTERS: 877, 1033
ESTETROL: 3191
ESTIVATION: 744
ESTRADIOL: 25, 31, 79–80, 86, 113, 167, 173, 176, 179, 190, 240, 260, 273, 330, 402–403, 456, 458, 480, 503, 507, 659–660, 671, 700, 711, 768, 781, 797, 817, 835, 866, 873, 878, 887, 917–918, 950, 961, 994, 1007, 1043, 1074, 1089, 1096, 1111–1112, 1118, 1148, 1153, 1160, 1170, 1172, 1201, 1207, 1212, 1226, 1242, 1269, 1309, 1331, 1335, 1345, 1415, 1432, 1443, 1445, 1498, 1534–1535, 1568, 1623, 1628, 1642–1644, 1682, 1703, 1761, 1794, 1838, 1848, 1877, 1899, 1905, 1934, 1975, 1980, 1999, 2013, 2015, 2032, 2071, 2141, 2171, 2209, 2245, 2249, 2280, 2299, 2359, 2390, 2505, 2571, 2588, 2604, 2613, 2657, 2724, 2807, 2811, 2824, 2881, 2902, 2907, 2951, 3004, 3021, 3026, 3091, 3126, 3130, 3169, 3179, 3208, 3221, 3251, 3310, 3339, 3409–3410, 3421, 3423, 3568, 3572, 3599, 3633, 3648, 3697, 3706, 3738, 3757, 3785, 3801, 3837, 3904, 3911, 3918–3919, 3956, 3963, 3966, 4042, 4054–4055, 4062, 4090, 4092, 4094, 4096, 4157, 4194, 4211, 4224, 4236, 4245, 4304–4305, 4363
ESTRADIOL ANTAGONISTS: 3012
ESTRAMUSTINPHOSPHATE: 361
ESTRENES: 1277, 1342, 1826
ESTRIOL: 93, 241, 284–285, 403, 711, 943, 1170, 1283, 1333, 1581, 1628, 1744, 1781, 1818, 2256, 2346, 2368, 2698, 2710, 2868, 3102, 3169, 3191, 3648, 3744, 3785, 3895, 3929, 3974–3975, 4305–4306, 4340, 4349
ESTROGEN ANTAGONISTS: 846, 1645, 1792, 1899, 2219, 2405, 2475, 3024, 3633
ESTROGENIC SUBSTANCES, CONJUGATED: 251, 814–815, 1250, 1611, 1628, 2804, 2915, 2928, 3367, 4305, 4340
ESTROGENS: 35, 37, 43, 93, 189, 261, 270, 387, 389, 403, 427, 458, 480, 565, 615, 634–635, 673, 767, 808, 832, 856, 957, 1058, 1070, 1111, 1162, 1170, 1200, 1344–1345, 1391–1392, 1568, 1705, 1757, 1779, 1816, 1824, 2016, 2150, 2153, 2159, 2211, 2245, 2405, 2492, 2546, 2630, 2641, 2658, 2706, 2722, 2794, 2869, 2894, 2909, 2914, 3024, 3037, 3102, 3110, 3118, 3161, 3163, 3169, 3253, 3274, 3367, 3388–3389, 3393–3394, 3409, 3466, 3648, 3674, 3685, 3733, 3738, 3753, 3761, 3777, 3785, 3795, 3797, 3883, 3944, 3975, 3993, 4048, 4087, 4093, 4179, 4239, 4289, 4303, 4305–4306, 4349, 4411, 4416, 4423
ESTROGENS, SYNTHETIC: 25, 361, 431, 695, 1388, 1827, 1899, 2070, 2613, 2657, 2858, 3163, 3253, 3450, 3554, 3883, 4042, 4313
ESTRONE: 20, 79–80, 153, 187, 402–403, 635, 711, 817, 1191, 1391, 1396, 1443, 1498, 1628, 1758, 1943, 2280, 2657, 2899, 3169, 3179, 3409, 3614, 3648, 3785, 4015, 4042, 4305, 4349
ESTRUS: 176–177, 223, 243, 467, 480, 586, 604, 665, 796, 846, 888, 924, 972, 994, 1024, 1173, 1309, 1358, 1568, 1643, 1750, 1761, 2015, 2116, 2141, 2175, 2207, 2341, 2397, 2533, 2630, 2782, 2943, 2952, 3126, 3159, 3181, 3261, 3270, 3285, 3310, 3465, 3574, 3649, 3700, 3796, 3919, 4156, 4171, 4224, 4244, 4267, 4406
ESTRUS DETECTION: 1750
ESTRUS SYNCHRONIZATION: 554, 1882, 3325
ETHACRYNIC ACID: 1341, 2380, 2382, 4382
ETHAMOXYTRIPHETOL: 2219
ETHANOLAMINES: 29, 471, 1164, 2840, 3168
ETHER, ETHYL: 400
ETHICS, MEDICAL: 2162
ETHICS, PROFESSIONAL: 1591
ETHINYL ESTRADIOL: 575, 1242, 1388, 1611, 1705, 2280, 2635, 2793, 3298, 3498, 3672, 3767, 3902, 3930, 3975
ETHIONINE: 109
ETHMOID BONE: 2278
ETHMOID SINUS: 1961
ETHNIC GROUPS: 1297, 3107, 3723, 3900
ETHYL ETHERS: 1430
ETHYLAMINES: 3656
ETHYLENE GLYCOLS: 4266
ETHYLMALEIMIDE: 787, 3119
ETHYLNITROSOUREA: 2580
ETHYNODIOL DIACETATE: 92, 4236
ETIOCHOLANOLONE: 741, 1306, 3434, 3580, 3925, 3953
EUGENICS: 1517
EUNUCHISM: 3959
EUSTACHIAN TUBE: 3358
EVALUATION STUDIES: 209, 329, 948, 1179, 1198, 1210, 1334, 1339, 1577, 1706, 2036, 2102, 2217, 2367, 2414, 2485, 2558, 2620, 2666, 2698, 2981, 3044, 3353, 3593, 3717, 3745
EVOKED POTENTIALS: 178, 1029, 1799, 1991, 2121, 3072, 3221, 3484, 3535
EVOLUTION: 155, 749, 1687, 2482, 2953, 3040, 3448
EXCHANGE TRANSFUSION: 308, 2500, 3095
EXCIPIENTS: 2814
EXERCISE THERAPY: 1131
EXERTION: 307, 1290, 1459, 1547, 1571, 2372, 2442, 2476, 3196, 3997, 4266
EXO-1,4-ALPHA-GLUCOSIDASE: 3347
EXOCRINE GLANDS: 984, 2902
EXOCYTOSIS: 984, 1253, 2082, 2925
EXOPHTHALMOS: 869, 1238, 1257, 1411, 1569, 1629, 1844, 2022, 2078, 2166, 2224, 2308, 2854, 3046, 3451, 4035, 4374, 4391
EXPECTORANTS: 57, 3387
EXPLORATORY BEHAVIOR: 3482, 4180
EXTRACELLULAR SPACE: 59, 150, 209, 319, 461, 475, 638, 1069, 1461, 1574, 2261, 3068, 3164, 3405, 3561, 3732, 4266, 4339
EXTRAPYRAMIDAL DISORDERS: 2017
EXTREMITIES: 1094, 1524, 2447, 3798
EXUDATES AND TRANSUDATES: 141, 3788
EYE: 207, 259, 1021–1022, 2250, 2890, 2927, 3617
EYE DISEASES: 56, 249, 556, 1654, 1709, 1844, 2021, 2854, 4294

EYE INJURIES: 259, 1593
EYE MANIFESTATIONS: 802, 2052, 2655, 3081
EYE NEOPLASMS: 1501, 2224
EYELID NEOPLASMS: 1569
EYELIDS: 1411

F

FACE: 1506, 1990, 2592, 3065, 3499, 3594
FACIAL ASYMMETRY: 2760
FACIAL BONES: 1245
FACIAL DERMATOSES: 965, 1092, 1301, 2192, 2890
FACIAL NEOPLASMS: 1569
FACIAL PARALYSIS: 927, 1301, 3559
FACTOR VII: 3975
FACTOR XII: 3881
FALLOPIAN TUBES: 812, 1093, 1112, 1755, 1848, 2527, 2533, 2714, 2897, 2928, 3285, 3417, 3561, 4155, 4375
FALSE NEGATIVE REACTIONS: 46, 306, 3926, 4116
FALSE POSITIVE REACTIONS: 52, 306, 2443, 4435
FAMILY CHARACTERISTICS: 295
FAMILY PLANNING: 766, 1870, 3625
FAMILY THERAPY: 436
FANCONI SYNDROME: 1255, 1286, 1501, 1803, 3573
FANCONI'S ANEMIA: 2616, 2831, 3581, 4369
FASCIA: 1249
FAST NEUTRONS: 1247
FASTING: 136, 596, 810, 1491, 2088, 2264, 2652, 2820, 3011, 3884, 3982, 3997, 4154
FAT NECROSIS: 4255
FATIGUE: 244, 1395, 2458
FATS: 2034, 3997
FATTY ACID SYNTHETASE COMPLEX: 2080
FATTY ACIDS: 740, 806, 1066, 1376, 1686, 1869, 2080, 2386, 2518, 3028, 3030, 3877, 3999, 4112, 4168, 4187, 4339
FATTY ACIDS, ESSENTIAL: 186, 1066, 4102, 4108
FATTY ACIDS, NONESTERIFIED: 52, 136–137, 219, 368, 608, 867, 1014, 1057, 1372, 1463, 1509, 1554, 1648, 2134, 2652, 2972, 3129, 3516, 3909, 4154
FATTY ACIDS, UNSATURATED: 624, 1745, 2186, 2294, 2957, 3252
FATTY ACIDS, VOLATILE: 294, 305, 3982
FATTY LIVER: 309
FATTY LIVER, ALCOHOLIC: 2273
FEAR: 945
FEATHERS: 2442
FECES: 266, 380, 440, 579, 747, 806, 885, 1146, 2033, 2041, 3762, 3877, 3978, 4027, 4210
FEEDBACK: 125, 1946, 2119, 2365, 2744, 2929, 3820
FEEDING BEHAVIOR: 751, 756, 941, 1451, 1455, 1907, 2030, 2141, 2172, 2320–2321, 2755, 2884, 3909, 4315
FEEDING PATTERNS: 579, 3845, 3909
FEMORAL FRACTURES: 3332, 4373
FEMORAL HERNIA: 4069
FEMORAL NECK FRACTURES: 1104, 2794
FEMORAL VEIN: 2524
FEMUR: 1389, 1608, 2553, 3894, 4394, 4399
FEMUR HEAD NECROSIS: 1417, 1509
FENFLURAMINE: 546, 2412, 3219
FENOTEROL: 3497
FERMENTATION: 305
FERRETS: 972
FERRICYANIDES: 381, 2169
FERRITIN: 1394, 1728
FERROUS COMPOUNDS: 233
FERTILITY: 23, 88, 408, 766, 841, 1392, 1732, 1851, 1938, 2463, 3280, 3377, 3483, 3625, 3953
FERTILIZATION: 2875, 3706, 4285, 4375
FETAL ANOXIA: 2600, 2808, 4243
FETAL BLOOD: 284, 325, 483, 589, 961, 2579, 2663, 2848, 3056, 3350, 3569, 4029
FETAL DEATH: 281, 488, 738, 1551, 1612, 1942, 2147, 2346, 2688, 2808, 2979, 3265, 3599, 3717, 3944, 4233, 4435
FETAL DISEASES: 11, 459, 524, 964, 1102, 1204, 1380, 2211, 2256, 2430, 3191, 3929, 3970, 4014
FETAL DISTRESS: 1736, 2346, 3102, 4435
FETAL GROWTH RETARDATION: 905, 923, 1308, 3197, 3389
FETAL HEART: 943, 3929
FETAL HEMOGLOBIN: 741, 4369
FETAL MEMBRANES: 1204, 1995
FETAL MEMBRANES, PREMATURE RUPTURE: 2808
FETAL MONITORING: 1997–1998, 2211, 3569, 3895
FETAL VIABILITY: 2754
FETOFETAL TRANSFUSION: 2430, 2634, 2808
FETOMATERNAL TRANSFUSION: 2430, 2634
FETUS: 441, 524, 620, 710, 795, 905, 907, 922, 1014, 1087, 1126, 1137, 1246, 1691, 1846, 1909, 1934, 2005, 2144, 2256, 2283, 2339, 2431, 2439, 2622, 2688, 2870, 3031, 3052, 3265, 3282, 3295, 3350, 3624, 3660, 3766, 3791, 3800, 3821, 3851, 3895, 3929, 3970, 4014, 4033, 4095, 4109, 4243, 4250, 4360
FEVER: 222, 1354, 1736, 2799, 3448, 4326
FEVER THERAPY: 37
FIBRIN: 856
FIBRIN FIBRINOGEN DEGRADATION PRODUCTS: 361, 3161, 3214
FIBRINOGEN: 66, 361, 390, 3161, 4301, 4436
FIBRINOLYSIN: 2233, 3214, 3968
FIBRINOLYSIS: 332, 740, 971, 2127, 2233, 2272, 3161, 3588
FIBRINOLYTIC AGENTS: 390, 2272, 2719, 3500, 4429
FIBROBLASTS: 248, 456, 723, 889, 1982, 2077, 2107, 2780, 2838, 3006, 3143, 3381, 3395, 3935
FIBROMA: 2376
FIBROSARCOMA: 115, 2481, 2695, 4396
FIBROUS DYSPLASIA, MONOSTOTIC: 2760
FIBROUS DYSPLASIA OF BONE: 2130, 2741, 2760
FIBROUS DYSPLASIA, POLYOSTOTIC: 1717
FIBULA: 1389
FICUSIN: 1597
FILARIASIS: 520, 3938
FILTRATION: 3754
FINGERS: 3060
FIRES: 3826
FISHES: 936, 1183, 1248, 1402, 1580, 1762, 1789, 1826, 1924, 1958, 2374, 2878, 3040, 3113, 3194, 3273, 3995
FISTULA: 2485
FIXATIVES: 1674
FLOUR: 800
FLUCYTOSINE: 2642
FLUOCORTOLONE: 801, 2767
FLUORESCAMINE: 2998, 3811
FLUORESCEINS: 1279, 1709, 2129, 3457, 3489
FLUORESCENCE: 2107, 2614, 2780, 3615, 3842, 3926, 4333, 4397
FLUORESCENCE ANGIOGRAPHY: 259, 938
FLUORESCENT ANTIBODY TECHNIC: 128, 268, 506, 819, 938, 985, 1272, 1661, 1672, 2078, 2098, 2175, 2552, 2629, 2912, 3053, 3135, 3457, 3632, 3681, 3758
FLUORIDES: 216, 593, 645, 758, 800, 1466, 1493, 1775, 2721, 2794, 3907, 4312
FLUOROACETATES: 1502
FLUOROCARBONS: 2416
FLUOROMETRY: 2129, 2626, 3577, 4073
FLUOROURACIL: 1038, 1221, 1315, 2568, 2863, 2991, 3421, 3778, 4268
FLUOXYMESTERONE: 1161
FLUPENTHIXOL: 858
FLUPHENAZINE: 4193
FLURANDRENOLONE: 1889
FLUROTHYL: 1502
FLUROXENE: 2671
FLUTAMIDE: 710, 1431
FOLIC ACID: 107, 3034, 3786, 3884
FOLIC ACID DEFICIENCY: 3786
FOLLOW-UP STUDIES: 4, 114, 311, 560, 562, 619, 792, 874, 883, 890, 958, 960, 1206, 1343, 1456, 1466, 1472, 1704, 1741, 1871, 1961, 2391, 2418, 2521, 2607, 2637, 2648, 2991, 3240, 3380, 3390, 3487, 3591, 3707, 3729, 3897, 3913, 3920, 3934, 3988, 4115, 4179, 4296, 4330
FOOD: 1571
FOOD ANALYSIS: 1751, 3542
FOOD COLORING AGENTS: 3661
FOOD CONTAMINATION: 1142, 1322, 2095
FOOD CONTAMINATION, RADIOACTIVE: 1766
FOOD DEPRIVATION: 523, 1451, 2644, 3711
FOOD, FORTIFIED: 800, 3048
FOOD HYPERSENSITIVITY: 4227
FOOD MICROBIOLOGY: 1322, 3052
FOOD PREFERENCES: 745, 3114
FOOT: 2876
FOOT DERMATOSES: 1382
FOOT DISEASES: 2427
FORCED EXPIRATORY VOLUME: 704, 1119
FOREARM: 359
FOREIGN BODIES: 2618, 4438
FOREIGN BODY REACTION: 3424
FORENSIC MEDICINE: 1780, 3926
FORMALIN: 1159
FORMAZANS: 2608
FOSFOMYCIN: 4008
FOVEA CENTRALIS: 2931
FRACTIONAL PRECIPITATION: 1073
FRACTURE FIXATION: 3277
FRACTURE FIXATION, INTERNAL: 2484, 4373
FRACTURES: 135, 648, 2389, 2484, 2531, 3047, 3277, 3665, 3952
FRACTURES, SPONTANEOUS: 648, 3910
FRACTURES, UNUNITED: 1629, 1650
FREE RADICALS: 899, 1705, 2795, 3071
FREEMARTINISM: 1443
FREEZE FRACTURING: 2810
FREEZING: 308, 687, 786, 1278, 2396, 3071, 3679, 4200, 4343
FREONS: 2491
FRESH WATER: 2964–2965
FRIEDREICH'S ATAXIA: 203, 1759
FRIEND VIRUS: 3788
FROEHLICH'S SYNDROME: 34
FROGS: 59, 343, 543, 1052, 1100, 1174–1175, 1337, 1395, 1410, 1513, 2313, 2336, 2549, 2847, 2963, 3264, 3355, 3621, 3764, 3793, 3854, 4076, 4162, 4208, 4285, 4372
FRONTAL LOBE: 110, 1072, 2120, 2826, 3305, 3504
FRUCTOSE: 2124
FRUCTOSEDIPHOSPHATE ALDOLASE: 116
FRUCTOSEDIPHOSPHATES: 3140
FRUCTOSEPHOSPHATES: 1243
FSH: 1, 13, 86, 103, 129, 134, 177, 252, 267, 303, 365, 427, 494, 507, 640, 667, 693, 717–718, 736, 835, 872–873, 908, 935, 969, 972, 1016, 1050, 1188, 1215, 1251, 1361, 1445, 1494, 1568, 1601, 1712, 1716, 1760, 1827, 1836, 1851, 1873, 1877, 1883, 1958, 1966, 1980, 2097, 2138, 2234, 2244–2245, 2278, 2280, 2400, 2424, 2497, 2509, 2528, 2567, 2574, 2649, 2711, 2750, 2813, 2923, 3087, 3099, 3121, 3144, 3318, 3339, 3409, 3421, 3426, 3464, 3468, 3601, 3674, 3706, 3738, 3782, 3904, 3959, 4054, 4059, 4096, 4098, 4150, 4156, 4185, 4202, 4276, 4289, 4354
FUCOSE: 4125
FUMARATES: 2124
FUNDUS FLUORESCENCE PHOTOGRAPHY: 938
FUNGAL PROTEINS: 559, 3229, 3986
FUNGI: 4070
FUNGICIDES, INDUSTRIAL: 2342
FUROSEMIDE: 22, 351, 743, 1341, 1639, 2380, 2534, 2645, 2888, 3405, 3515, 4280, 4382
FUSARIUM: 881, 1322, 1510, 2095
FUSIDIC ACID: 1665

G

G SUITS: 1638
GABA: 772, 1294, 1304, 1476, 1893, 2058, 2255, 2509, 2519, 3467, 3521, 3748, 3780
GALACTORRHEA: 561, 634, 929, 1177, 1216, 1876, 2214, 2517, 2646, 2975, 3195, 3321, 3570, 3783, 3822, 4050–4051, 4056, 4088
GALACTOSIDASES: 946, 1945, 2227, 2935, 2937, 3084
GALACTOSYLTRANSFERASES: 1794
GALAGOS: 950
GALLAMINE TRIETHIODIDE: 2358
GALLBLADDER: 967
GALLBLADDER NEOPLASMS: 4282
GALLIUM RADIOISOTOPES: 1814, 1944, 2333
GAMMA GLOBULINS: 1180, 1362, 3158, 3457, 3489

GAMMA RAYS: 8, 214, 529, 714, 1247, 2183, 2617, 3061, 3410, 4345, 4387, 4389–4390
GANGLIA: 443, 1094, 1604, 3752, 3941
GANGLIA, AUTONOMIC: 178, 347, 598, 1347, 1357, 1370, 2337, 2901, 3621, 4032, 4364
GANGLIA, BASAL: 89, 110, 362, 3193
GANGLIA, SPINAL: 1192, 1661, 2835
GANGLIONEUROMA: 2479
GANGLIOSIDES: 161, 1804
GANGLIOSIDOSIS: 2440
GANGRENE: 2427, 3240
GASTRECTOMY: 1355, 4395
GASTRIC JUICE: 206, 312, 2118, 2176, 2257–2258, 3074, 3225, 3827, 3967, 4077, 4169, 4259, 4315
GASTRIC MUCOSA: 281, 1253, 2092, 2118, 2478, 2820, 3630, 3656, 4041, 4169, 4259, 4380
GASTRINS: 602, 1162, 1845, 2176, 2257–2258, 2871, 3225, 3827, 3967, 4258, 4323
GASTRITIS: 1355, 1702
GASTROINTESTINAL DISEASES: 184, 437, 832, 1149, 1325, 2333, 2749, 3094, 3549, 4126
GASTROINTESTINAL HORMONES: 364, 882, 967, 1017, 1253, 1307, 2239, 2257, 2871, 2891, 3157, 3485, 3810
GASTROINTESTINAL MOTILITY: 339, 440, 740, 806, 4318
GASTROINTESTINAL NEOPLASMS: 245, 613, 2871, 3309
GASTROINTESTINAL SYSTEM: 61, 166, 907, 2178, 2863, 3094, 3630, 4006, 4145, 4323, 4422
GEESE: 564, 2737, 3291
GEL DIFFUSION TESTS: 417, 670, 1274, 1664, 1786, 2552, 3101, 3691, 4165
GELATIN: 3563
GELATIN SPONGE, ABSORBABLE: 18, 2437
GELS: 1425, 3579
GENDER IDENTITY: 436, 2462
GENE FREQUENCY: 2269, 3896
GENES: 173, 1049, 1289, 2124, 2935, 3026, 3345, 3401, 4308, 4426
GENES, DOMINANT: 23, 2452, 3047, 3250
GENES, IMMUNE RESPONSE: 3250
GENES, LETHAL: 23, 2269
GENES, RECESSIVE: 1077, 2017, 3141, 3499
GENES, REGULATOR: 2119, 2935
GENES, STRUCTURAL: 2779
GENETIC SCREENING: 3213
GENETIC TECHNICS: 23, 889, 2699, 2779
GENETICS, BEHAVIORAL: 3670
GENETICS, POPULATION: 1296
GENICULATE BODIES: 544
GENICULATE GANGLION: 1301
GENITAL DISEASES, MALE: 1441, 1819
GENITAL NEOPLASMS, MALE: 69
GENITALIA: 710, 3143
GENITALIA, FEMALE: 710, 1905, 3557
GENITALIA, MALE: 122, 408, 710, 820, 840–842, 3454, 4146
GENOTYPE: 2161
GENTAMICINS: 249, 1690
GEOLOGY: 2647
GERBILS: 783, 1316, 3439, 4197
GERM CELLS: 1419, 1881, 3265
GERM-FREE LIFE: 4422
GERM LAYERS: 1657, 2916
GESTATIONAL AGE: 268, 293, 346, 425, 441, 483, 589, 741, 803, 820, 859, 907, 922, 1087, 1137, 1331, 1551, 1560, 1612, 1997, 2211, 2294, 2346, 2552, 2688, 2702, 2754, 2769, 3124, 3645, 3800, 4014, 4067
GIANT CELL TUMORS: 2130
GIARDIASIS: 1325
GIGANTISM: 286, 1126, 3914
GILLS: 2008, 2374
GINGIVA: 2067, 2681
GINGIVAL HYPERPLASIA: 615
GINGIVAL HYPERTROPHY: 3592
GINGIVITIS: 615, 4365
GINSENG: 3105
GIZZARD: 2948
GLASS: 956
GLAUCOMA: 1021–1022, 1709, 2166, 2495, 2890, 2937, 3533, 3623, 3634, 3722, 3724, 4294, 4412
GLIBENCLAMIDE: 2385, 3005
GLIOBLASTOMA MULTIFORME: 2551, 4101, 4115
GLIOMA: 306, 450, 674, 1492, 2100, 2300, 2739, 3046, 3521, 4115
GLOBIN: 3037
GLOBUS PALLIDUS: 110, 1356, 1776, 1991, 2448, 3535
GLOMERULAR FILTRATION RATE: 82, 197, 308–309, 461, 1070, 1341, 1638, 1687, 2387, 2410, 2575, 2691, 3276, 3840, 3925, 3972, 4246, 4275, 4348
GLOMERULONEPHRITIS: 143, 191, 597, 684, 1190, 1974, 2053, 2770, 3833
GLOSSITIS: 4365
GLOSSOPHARYNGEAL NERVE: 2216
GLOTTIS: 1471
GLUCAGON: 28, 323–324, 364, 578, 1003, 1232, 1290, 1352, 1463, 1584, 1666, 1835, 1981, 2089, 2193, 2257, 2312, 2413, 2541, 2654, 2747, 2820, 2972, 3253, 3536, 3740, 3749, 3758, 3838, 3884, 3977, 3982, 4077, 4147, 4258, 4289, 4304, 4364
GLUCARIC ACID: 3770
GLUCOCORTICOIDS: 85, 144, 234, 249, 688, 714, 947, 988, 1226, 1351, 1399, 1404, 1417, 1425, 1564, 1677, 1771, 1824, 1891, 1919, 2127, 2312, 2409, 2457, 2500, 2521, 2792, 2802, 2879, 2932, 2944, 2988, 3253, 3301, 3324, 3381, 3397, 3399, 3487, 3500, 3546, 4100, 4120, 4184, 4243, 4265
GLUCOCORTICOIDS, SYNTHETIC: 6, 949, 1203, 1398, 1425, 2652, 2774, 2879, 3060
GLUCOCORTICOIDS, TOPICAL: 577, 4184
GLUCONEOGENESIS: 1872, 3997
GLUCOSAMINE: 3395
GLUCOSAMINIDASE: 2937, 3438
GLUCOSE: 83, 219, 364, 394, 462, 478, 532, 607, 682, 765, 810, 899, 918, 1046, 1328, 1352, 1452–1455, 1463, 1523, 1584, 1615, 1690, 1945, 2124, 2351, 2654, 2792, 2861, 2972, 3073, 3098, 3137, 3221–3222, 3253, 3743, 3907, 4014, 4023, 4168, 4395
GLUCOSE DEHYDROGENASES: 2681
GLUCOSE OXIDASE: 899, 3347
GLUCOSE SOLUTION, HYPERTONIC: 988, 1584
GLUCOSE TOLERANCE TEST: 140, 682, 765, 1715, 1778, 2221, 2637, 3005, 3664, 3884
GLUCOSEPHOSPHATASE: 1243, 1474, 2972
GLUCOSEPHOSPHATE DEHYDROGENASE: 618, 918, 1085, 1328, 1385, 1387, 2676, 2779, 2862, 3790, 4000, 4404
GLUCOSEPHOSPHATES: 1085, 1945
GLUCOSIDASES: 1270–1271, 3084
GLUCOSYLCERAMIDASE: 1270–1271, 3084
GLUCURONATES: 911–912, 1611, 1628, 2804, 4305–4306
GLUCURONIDASE: 533, 806, 1378, 2007, 2189, 2937, 4331
GLUTAMATE DECARBOXYLASE: 3467, 3521
GLUTAMATE DEHYDROGENASE: 2070, 2657–2658, 2681, 3163
GLUTAMATES: 931, 1490, 1999, 3851–3852
GLUTAMINE: 2031
GLUTAMINE SYNTHETASE: 2676
GLUTAMYL TRANSPEPTIDASE: 253, 3741
GLUTARALDEHYDE: 822
GLUTATHIONE: 438, 2502
GLUTATHIONE REDUCTASE: 3258
GLUTATHIONE TRANSFERASES: 2782
GLYCERALDEHYDE: 1452–1453
GLYCERIDES: 542
GLYCERIN: 57, 1584, 3387, 3615, 3728
GLYCEROLPHOSPHATE DEHYDROGENASE: 918, 921, 1258, 2978, 3458
GLYCEROPHOSPHATES: 4008
GLYCINE: 1294, 2734
GLYCOGEN: 31, 244, 757, 1067, 1290, 1362, 1464, 1547, 3120
GLYCOGEN PHOSPHORYLASE: 244, 1067, 1099, 1464, 1615, 4290
GLYCOGEN SYNTHETASE: 244, 2277, 2602
GLYCOGEN SYNTHETASE PHOSPHATASE: 1352
GLYCOGENOSIS 5: 3472
GLYCOLATES: 1122
GLYCOLIPIDS: 1804, 3326
GLYCOLS: 21
GLYCOLYSIS: 394, 474, 1943, 2338, 3073, 3155, 3884
GLYCOPEPTIDES: 3132, 3743
GLYCOPROTEINS: 245, 293, 534, 606, 1283, 1702, 2227, 2550, 3443, 3717, 3743, 4212, 4291, 4354
GLYCOSAMINOGLYCANS: 2092, 3395
GLYCOSIDE HYDROLASES: 975, 1821, 2283
GLYCOSURIA: 4100
GLYCOSURIA, RENAL: 2301, 3573
GOATS: 287, 1207, 1514, 1555, 1864, 2636, 2959, 3574, 3801, 3982
GOITER: 272, 357, 445, 524, 527, 573, 611–612, 652, 656, 777, 962, 1141, 1144, 1313, 1369, 1610, 1698, 1748, 1783, 1795, 2002, 2044, 2235, 2855, 3282, 3331, 3353, 3970, 4330
GOITER, ENDEMIC: 2242, 2647, 3936
GOITER, EXOPHTHALMIC: 182, 215, 332, 445, 639, 641, 962, 1198, 1235, 1411, 1504, 1543, 1717, 1790, 1837, 2201, 2235, 2267–2268, 2293, 2395, 2460, 2483, 2585, 2981, 3133, 3337, 3364, 3413, 3474, 3503, 3519, 3681, 3816, 4117, 4383
GOITER, NODULAR: 777, 2672, 3313, 3775, 3816
GOITER, SUBSTERNAL: 200
GOLD: 553, 2465
GOLD COLLOID, RADIOACTIVE: 2515, 4115
GOLD RADIOISOTOPES: 4115
GOLDFISH: 1184
GOLGI APPARATUS: 302, 816, 1283, 1507, 1670, 1931, 2474, 3732
GONADOTROPINS: 43, 494, 1066, 1212, 1219, 1396, 1911, 2073, 2195, 2248, 2405, 2469, 3270, 3733, 3996, 4096
GONADOTROPINS, CHORIONIC: 43, 45, 47, 64, 86, 113, 128, 134, 161, 169, 245, 270, 328, 387, 434, 447, 526, 546, 554, 563, 668, 670, 692, 808, 826, 968, 983, 1005, 1024, 1102, 1200–1201, 1211, 1228, 1283, 1366, 1531, 1669, 1710, 1798, 1824, 1848, 1856, 1880, 1943, 1997, 2027, 2079, 2204, 2209, 2663, 2680, 2768, 2842, 2912, 2955–2956, 3309, 3400, 3446, 3466, 3618, 3831, 3875, 3921, 3953, 3959, 3962, 4003–4004, 4125, 4171, 4349, 4432
GONADOTROPINS, EQUINE: 238, 303, 554, 736, 1219, 2625, 2768, 3325, 3907, 4171, 4245
GONADOTROPINS, PITUITARY: 219, 270, 572, 667, 671, 835, 909, 969, 1250, 1445, 1827, 1902, 2097, 2214, 2249, 2352, 2711, 2750, 2878, 2894, 3201, 3223, 3225, 3248, 3466, 3554, 3604, 4046, 4048, 4085, 4146, 4185
GONADS: 134, 982, 1311, 1447, 2344, 2365, 2574, 2822, 2946, 3096, 3220, 3270, 3557, 3864, 3945, 3959, 4284, 4426
GOUT: 170, 1107
GRAAFIAN FOLLICLE: 220, 764, 848, 1200, 1390, 1515, 1894, 2234, 2722, 2875, 3732–3733, 4059, 4244, 4339
GRAFT REJECTION: 750, 1190, 2436, 3139, 3588, 4272, 4283
GRAFT SURVIVAL: 424, 1420, 1861–1862, 3865, 3960
GRAFT VS HOST REACTION: 1986, 2108–2109, 3726, 3757
GRAIN: 1510
GRAM-NEGATIVE AEROBIC BACTERIA: 385
GRAMICIDINS: 2833
GRANULATION TISSUE: 1658
GRANULOCYTES: 20, 426, 624, 1224, 1409, 2905, 3434, 3754–3755, 3922, 4277, 4332–4333
GRANULOMA: 146, 2300, 3695
GRANULOSA CELL TUMOR: 910, 2444, 2625, 2970
GRANULOSA CELLS: 220, 267, 1201, 1515, 2869, 3339, 3996, 4111
GRASSES: 2020
GRASSHOPPERS: 1094, 1390
GRAVITATION: 4084
GRISEOFULVIN: 694, 1301
GROOMING: 778, 2962
GROWTH: 177, 211–212, 360, 1212, 1899, 2256, 2405, 2425, 3048, 3384, 3674, 3821, 3929
GROWTH DISORDERS: 64, 476, 581, 850, 1308, 1427, 1974, 2424, 2493, 2592, 2850, 3894
GROWTH SUBSTANCES: 2578, 3122–3123, 4059
GTP PHOSPHOHYDROLASE: 343
GUANETHIDINE: 278, 1440, 1852
GUANIDINES: 232, 859, 2258, 3364, 4434
GUANINE NUCLEOTIDES: 713, 2313, 2778
GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE: 32, 47, 83, 125, 381, 426, 533, 592, 631, 707, 723–724, 762, 772, 862–863, 914, 933, 1013, 1056, 1117, 1145, 1152, 1170, 1174–1176, 1299, 1397, 1483, 1565, 1601, 1666, 1771, 1985, 2098, 2119, 2183,

2196, 2212, 2347, 2351, 2361, 2375, 2490, 2582, 2778, 2866, 2894, 2896, 3183, 3229, 3292–3293, 3327, 3530, 3624, 3660, 3731, 3812, 3857, 3928, 4032, 4129, 4143–4144, 4226, 4241, 4342, 4355
GUANOSINE DIPHOSPHATE: 705, 713
GUANOSINE DIPHOSPHATE MANNOSE: 3326
GUANOSINE MONOPHOSPHATE: 705
GUANOSINE TRIPHOSPHATE: 343, 593, 705, 713, 788, 919, 2029, 3026
GUANYL CYCLASE: 343, 381, 723, 787, 1145, 1152, 1376, 2098, 2177, 2361–2362, 2582, 2778, 2795, 3677, 3758, 4086, 4342, 4409
GUANYLYL IMIDODIPHOSPHATE: 645, 713, 788, 2555, 2721, 3696, 3773
GUINEA PIGS: 14, 263, 353, 618, 626, 797, 852, 901, 933, 966, 972, 1015, 1053, 1111, 1186, 1251, 1268, 1272, 1309, 1376, 1386, 1408, 1550, 1674, 1727, 1773, 1852, 1920, 2286, 2298, 2358, 2385, 2433, 2483, 2562, 2565, 2590, 2598, 2627, 2901, 2953, 3010, 3034, 3064, 3131, 3156, 3296, 3355, 3357, 3458, 3523, 3530, 3624, 3650, 3762, 3768, 3795, 3848, 3893, 3978, 3981, 4006, 4097, 4129, 4143, 4181–4182, 4189, 4241, 4293, 4312, 4318, 4328
GYNANDROBLASTOMA: 571
GYNECOLOGIC DISEASES: 449, 1843, 2016, 3478, 4126
GYNECOLOGIC NEOPLASMS: 69, 3241
GYNECOMASTIA: 1068, 1188, 1815, 2023, 3020, 3195, 3601, 4179

H

H-2 ANTIGENS: 691, 4119
HAIR: 879, 3772, 4314
HALF-LIFE: 471, 861, 877, 1003, 1158, 1320, 1387, 1436, 1622, 1635, 1667, 1913, 2165, 2169, 2774, 2797, 2933, 3399, 3528, 3770, 4214
HALLUCINOGENS: 2623
HALOFENATE: 1122
HALOPERIDOL: 73, 451, 715, 1237, 2049, 2255, 2660, 3082, 3939
HALOTHANE: 425, 2670–2671, 2772, 4091, 4149
HAMARTOMA: 1679, 2379, 2786
HAMSTERS: 400, 408, 454, 507, 662, 907, 1041, 1251, 1445, 1493, 2341, 2416, 2523, 2562, 2745, 2802, 2902, 3270, 3508, 3746, 4012, 4073, 4302, 4407
HAND: 2850, 2876, 3266, 3846
HAND-SCHUELLER-CHRISTIAN SYNDROME: 1264
HANDLING (PSYCHOLOGY): 4180
HAPTENS: 866, 1140, 1166, 2137, 3690, 4257
HAPTOGLOBINS: 2270
HARDERIAN GLAND: 535
HARMALINE: 4136
HAVERSIAN SYSTEM: 377, 2484
HAY FEVER: 940, 1059, 3495
HEAD: 2615, 3635
HEAD AND NECK NEOPLASMS: 527, 2695, 3475, 3825
HEADACHE: 88, 194, 277, 1571, 3246, 3618, 4419
HEALTH EDUCATION: 1422
HEALTH SURVEYS: 2242
HEARING DISORDERS: 386, 1341, 1617
HEART: 218, 350, 521, 532, 608, 821, 1100, 1208–1209, 1653, 1846, 1967, 2008, 2169, 2178, 2193, 2333, 2385, 2598, 2602, 2844, 3131, 3429, 3477, 3624, 3720, 3806, 4037, 4129, 4217, 4297
HEART ARREST: 1227
HEART ARREST, INDUCED: 1381
HEART ATRIUM: 1339, 2190, 2358, 2385
HEART BLOCK: 740, 4121
HEART CATHETERIZATION: 27, 469, 725, 1339, 1639
HEART CONDUCTION SYSTEM: 1327
HEART DEFECTS, CONGENITAL: 3499, 3849, 4145
HEART DISEASES: 27, 184, 469, 1600, 2615, 2640, 2749, 2781, 3418, 4170
HEART ENLARGEMENT: 1974, 2125, 2402, 2874, 3211, 3384, 3900
HEART FAILURE, CONGESTIVE: 740, 1227, 1381, 1835, 2081, 2193, 2432, 2550, 2863, 2933, 3211, 3330, 4218
HEART INJURIES: 3186
HEART MURMURS: 27
HEART NEOPLASMS: 1448
HEART RATE: 59, 313, 320, 368, 614, 649, 678, 734, 807, 1165, 1167–1168, 1208–1209, 1234, 1378, 1638, 2008, 2179, 2190, 2360, 2439, 2466, 2671, 2867, 3412, 3456, 3506, 3692, 4009, 4243
HEART SEPTAL DEFECTS: 4145
HEART SEPTUM: 3164
HEART SURGERY: 3889, 4344
HEART VALVE DISEASES: 4060
HEART VALVES: 265
HEART VENTRICLE: 1100, 1174–1175, 1378, 1448, 2003, 2062, 2385, 2598, 2640, 2874, 3976
HEARTBURN: 957, 1162
HEAT: 1, 675, 687, 1385, 1387, 1684, 1723, 1951, 2508, 2791, 2976, 3080, 3252, 3721, 3858, 4127
HEDGEHOGS: 2953, 4310
HELA CELLS: 2129, 2251, 4308
HELIUM: 397
HELIX (SNAILS): 38, 979–980, 2362
HEMAGGLUTINATION: 3401
HEMAGGLUTINATION INHIBITION TESTS: 2698, 4253
HEMAGGLUTINATION TESTS: 1669, 1697, 4114
HEMANGIOENDOTHELIOMA: 2416, 3245
HEMANGIOMA: 869, 1204, 1569, 2025–2026, 2325, 2537, 3245, 4351
HEMANGIOMA, CAVERNOUS: 3880
HEMANGIOPERICYTOMA: 395
HEMATOCRIT: 580, 998, 1178, 1396, 2373, 3437
HEMATOLOGIC DISEASES: 537, 1505, 1915, 2556, 2749, 3710
HEMATOMA: 508, 1569, 1769, 2854
HEMATOPOIESIS: 20, 189, 793, 1409, 2077
HEMATOPOIETIC STEM CELLS: 20, 1224, 1707, 2145, 3006, 3092, 3415, 3994
HEMATURIA: 3545
HEME: 367, 844, 1332
HEMICHOLINIUM 3: 1988, 3507
HEMIN: 844
HEMIPLEGIA: 4025
HEMODIALYSIS: 143, 193–194, 310, 333, 369, 512, 602, 667, 754, 1285, 1633, 2123, 2500, 2605, 2655, 2750, 3087, 3128, 3375, 3832, 4358
HEMODYNAMICS: 82, 98, 218, 278, 320, 471, 678, 740, 1023, 1178, 1234, 1336, 1598, 1638, 2154, 2360, 2559, 2867, 3455, 3806, 4238
HEMOGLOBINOMETRY: 1396
HEMOGLOBINS: 741, 1564, 1663, 1702, 2373, 2795, 3481, 3806, 4377
HEMOGLOBINURIA, PAROXYSMAL: 1305
HEMOLYSIS: 2466, 4006, 4061
HEMOPERFUSION: 2500
HEMOPHILIA: 1042, 1915
HEMORRHAGE: 332, 1564, 1588, 2021, 2301, 2377, 2430, 3622, 4071, 4167
HEMORRHAGE, GASTROINTESTINAL: 138, 333, 1500, 4215
HEMORRHAGE, POSTPARTUM: 2979
HEMORRHAGIC DIATHESIS: 3934
HEMORRHOIDS: 391
HEMOSIDEROSIS: 2557
HEMOSTASIS: 2718, 3974–3975
HEPARIN: 390, 988, 2537, 2652, 3142, 3324, 3500, 4045
HEPARIN CO-FACTOR: 3101
HEPATECTOMY: 370, 1339, 1989, 2907, 3662
HEPATIC ARTERY: 370, 1802, 3749
HEPATIC COMA: 644, 3654, 4063
HEPATIC VEINS: 82, 1802
HEPATITIS: 629, 861, 1206, 1548, 1901, 2550, 2648, 3453, 3600, 4149
HEPATITIS, ALCOHOLIC: 2273
HEPATITIS B: 837, 1281
HEPATITIS B ANTIGENS: 1901, 4323
HEPATITIS B SURFACE ANTIGEN: 956, 2301, 2648
HEPATITIS, TOXIC: 289, 1502, 1761, 1989, 3281, 4436
HEPATITIS, VIRAL, HUMAN: 682, 2500
HEPATOMA: 1195, 1315, 2204, 2416, 2635, 2677, 3300, 3309, 3628, 3905, 4231–4232
HEPATOMEGALY: 1974, 2563
HERBICIDES: 877
HERBICIDES, UREA: 287
HEREDITARY DISEASES: 2556
HERMAPHRODITISM: 2135, 2202, 3233, 3431, 3557, 3596
HERNIA: 1473, 4069
HERPES ZOSTER: 1301
HERPES ZOSTER, OCULAR: 1456
HERPESVIRUS HOMINIS: 2079
HERPESVIRUS INFECTIONS: 205
HETEROCHROMATIN: 3842
HETEROZYGOTE: 457, 939, 2269, 4148
HEXAMETHONIUM COMPOUNDS: 93, 1208, 1234
HEXESTROL: 2070
HEXOBARBITAL: 1036, 3858
HEXOKINASE: 50, 2676, 2972, 4404
HEXOPRENALINE: 3497
HEXOSAMINES: 4218
HEXOSAMINIDASES: 1323–1324, 3793
HEXOSEDIPHOSPHATASE: 3884
HEXOSEDIPHOSPHATES: 3140
HEXOSES: 2216
HIBERNATION: 162, 413, 903–904, 2155, 2802, 2924, 4310
HINDLIMB: 2762
HIP: 1509
HIP CONTRACTURE: 3635
HIP DISLOCATION, CONGENITAL: 1417
HIP FRACTURES: 1417
HIP JOINT: 1417
HIPPOCAMPUS: 17, 155, 300, 382, 416, 1148, 1213, 1799, 1831, 2689, 2727, 3504, 3507, 3551, 3700
HIRSUTISM: 442, 632, 1045, 2644, 3493, 3498, 3772, 3784
HISTAMINE: 338, 401, 626, 914, 1033, 1186, 1604, 1992, 2089, 2111, 2756, 3074, 3156, 3291, 3293, 3455, 3459, 3490, 3629, 3634, 3656, 3734, 3799, 4041, 4169
HISTAMINE H1 RECEPTOR BLOCKADERS: 954, 2678, 3292–3293, 3423
HISTAMINE H2 RECEPTOR BLOCKADERS: 2118
HISTAMINE LIBERATION: 58, 901, 1992, 2565, 3064, 3799, 4189
HISTAMINE METHYLTRANSFERASE: 3490
HISTIDINE: 4199
HISTIDINE DECARBOXYLASE: 3490
HISTIOCYTES: 500, 771
HISTIOCYTOSIS X: 1629, 2818
HISTOCOMPATIBILITY: 1949
HISTOCOMPATIBILITY ANTIGENS: 1481, 1853, 1949, 4379
HISTOCYTOCHEMISTRY: 216, 822, 1157, 1230, 1496, 2001, 2009, 2336, 2421, 2528–2529, 2910, 2922, 2924, 3104, 3344, 3357, 3428, 3592, 3649, 3667, 3980, 4041
HISTOLOGICAL TECHNICS: 1159, 2422, 2456
HISTONE KINASE: 1176, 2508, 2874, 2987, 4130
HISTONES: 326, 363, 664, 1176, 2562, 3169, 3183, 3911
HISTORY OF MEDICINE, ANCIENT: 2305, 2800, 3538
HISTORY OF MEDICINE, MEDIEVAL: 2327, 4399
HISTORY OF MEDICINE, 16TH CENT.: 2800
HISTORY OF MEDICINE, 18TH CENT.: 2800
HISTORY OF MEDICINE, 19TH CENT.: 295, 2525, 2800, 4018, 4196, 4399
HISTORY OF MEDICINE, 20TH CENT.: 295, 397, 534, 932, 1482, 1484, 2004, 2065, 2525, 2530, 2800, 3196, 3479–3480, 4018, 4196, 4212, 4319, 4321, 4323, 4338, 4399–4400
HISTORY OF MEDICINE, MODERN: 2327
HL-A ANTIGENS: 318, 639, 1124, 1235, 1420, 1480, 2709, 3213, 3617, 3726, 4148
HOCKEY: 3470
HODGKIN'S DISEASE: 69, 114, 231, 411, 697, 1188, 1231, 1406, 1558, 1704, 1915, 2174, 2540, 3171, 3317, 3343, 3434, 3442, 3511, 3601, 4264, 4295
HOMEOSTASIS: 461, 1070, 1374, 1620, 2119, 2478, 4037, 4395
HOMOGENTISIC ACID: 2305
HOMOLOGOUS WASTING DISEASE: 1986, 3139
HOMOSEXUALITY: 436, 2462, 2800
HOMOSEXUALITY, FEMALE: 2462
HOMOVANILLIC ACID: 1156, 2480, 2573
HOMOZYGOTE: 457, 3732–3733, 3999
HORMONE ANTAGONISTS: 1399, 1847
HORMONES: 273, 443, 479, 534, 634, 741, 810, 847, 954, 967, 974, 996, 1194, 1247, 1421, 1498, 1517, 1625, 1705, 1730, 1824, 1846, 1849, 1935, 2089, 2178, 2239, 2320, 2460, 2559, 2578, 2596, 2618, 2654, 2771, 2796, 2833, 2891, 2940, 2959, 2993, 3088, 3139, 3253, 3269, 3338, 3432, 3441,

3619, 3747, 3982, 3997, 4012, 4043, 4084, 4134, 4192, 4194, 4212, 4308, 4322–4323, 4418, 4422, 4441
HORMONES, ECTOPIC: 989, 1254, 1659, 1764, 1948, 2364, 2414, 2753, 3262, 3309, 3872
HORMONES, SYNTHETIC: 953, 2067, 3537, 4077
HORNS: 487
HORSE DISEASES: 849
HORSERADISH PEROXIDASE: 110, 1344, 2173, 2503–2504, 3291, 3302
HORSES: 1750, 1864, 2274, 3596
HOSPITAL BED CAPACITY, UNDER 200: 261
HOSPITAL RECORDS: 261
HOSPITALIZATION: 2423, 3011
HOSPITALS, SPECIAL: 4303
HOUSING, ANIMAL: 547, 1916
HUMERUS: 1608
HUNGER: 751
HYALINE MEMBRANE DISEASE: 1126, 2066, 2754, 4029
HYALURONIC ACID: 730, 2092, 3957
HYALURONIDASE: 1073, 2205, 3060, 4375
HYBRID CELLS: 318, 749, 1773, 2472
HYBRIDIZATION: 2198, 2331, 3370, 3564
HYDANTOINS: 3854
HYDATIDIFORM MOLE: 293, 499, 670, 752, 773, 1061, 1211, 1228, 1652, 1710, 1832, 1997, 2486, 2577, 2607, 2974, 3282, 3569
HYDRALAZINE: 832
HYDRAMNIOS: 241
HYDRAZINES: 36, 1892
HYDROCARBONS, CHLORINATED: 2858
HYDROCARBONS, FLUORINATED: 1502
HYDROCELE: 520
HYDROCEPHALUS: 277, 495, 605, 1238, 1672, 3152
HYDROCEPHALUS, NORMAL PRESSURE: 495
HYDROCHLORIC ACID: 2886, 3114
HYDROCHLOROTHIAZIDE: 55, 1688, 4382
HYDROCORTISONE: 40, 63, 65, 79–80, 102, 115, 129, 139, 145, 201, 219, 239, 262, 273, 282, 346, 374, 389, 441, 483, 486, 536, 661, 663, 666, 676, 682, 734, 746, 765, 821, 833, 891, 901, 911–913, 921, 947, 995, 1001, 1034, 1125, 1146, 1154, 1213, 1218, 1232, 1243, 1304, 1583–1584, 1665, 1671, 1673, 1695, 1708, 1714–1715, 1749, 1818, 1830, 1874–1875, 1919, 1941, 1951, 1968, 1999, 2055, 2066, 2070, 2089, 2160, 2180, 2189, 2215, 2233, 2251, 2324, 2328, 2386, 2513, 2589, 2620, 2640, 2643, 2654, 2676, 2754, 2820, 2824, 2859, 2883, 2913, 2942, 2952, 2966, 2972, 3005, 3039, 3041, 3051, 3085, 3091, 3155, 3217, 3223–3224, 3259, 3275, 3348, 3365, 3369, 3381, 3395–3396, 3410, 3424, 3452, 3516, 3556, 3564, 3576–3577, 3586–3587, 3628, 3665, 3721, 3755, 3804, 3827, 3860, 3865, 3874, 3885, 3909, 3955, 3965, 3968, 3977, 3980, 3986, 4083–4084, 4141, 4154, 4168, 4192, 4260, 4277, 4298, 4300, 4304, 4325–4326, 4335, 4356, 4368, 4395, 4412, 4442
HYDROCORTISONE, TOPICAL: 953, 3579, 3682, 4080
HYDROFLUORIC ACID: 1868
HYDROGEN: 2775, 3008, 3683, 3943
HYDROGEN BONDING: 470, 996, 1868
HYDROGEN-ION CONCENTRATION: 70, 257, 470, 474, 568, 599, 608, 864, 868, 886, 892, 946, 956, 1073, 1100, 1151, 1253, 1270, 1284, 1395, 1489, 1621, 1631, 1686, 1723, 1725, 2132, 2188, 2295, 2328, 2508, 2512, 2523, 2554, 2582, 2657–2658, 2873, 2998, 3063, 3115, 3119, 3127, 3170, 3347, 3351, 3518, 3577, 3582, 3639, 3754, 3943, 4162, 4188, 4243, 4428
HYDROGEN PEROXIDE: 1570, 3347, 3760
HYDROLASES: 518, 1821, 3006
HYDROLYSIS: 10, 911, 1133, 2980, 4359
HYDRONEPHROSIS: 386, 3499, 3591
HYDROXAMIC ACIDS: 778, 2535
HYDROXIDES: 334
HYDROXY ACIDS: 624, 3252, 4122
3-HYDROXYANTHRANILIC ACID: 273
HYDROXYAPATITES: 363, 377, 1011, 1107
HYDROXYBENZOIC ACIDS: 832
HYDROXYBUTYRATE DEHYDROGENASE: 3698
HYDROXYBUTYRATES: 1349, 1554, 1584, 1978, 4137
25-HYDROXYCHOLECALCIFEROL-1-HY: 2969
HYDROXYCHOLECALCIFEROLS: 179, 275–276, 310, 439, 570, 623, 712, 719, 721, 730, 735, 737, 854, 876, 897–898, 1202, 1434, 1532, 1913, 1950, 1989, 2167, 2206, 2354, 2389, 2417, 2487, 2489, 2496, 2622, 2936, 2949, 2969, 3056, 3218, 3383, 3433, 3741, 3792, 3809, 4275, 4286, 4415
HYDROXYCHOLESTEROLS: 1020, 1946
HYDROXYCORTICOSTEROIDS: 912, 3275
11-HYDROXYCORTICOSTEROIDS: 164, 2155, 2318, 2324, 2679, 2815
17-HYDROXYCORTICOSTEROIDS: 1346, 1784, 1963, 2040, 2492, 2560, 2859, 2865, 2966, 3266, 3411, 3578, 3666, 3890, 3953, 4118, 4335
18-HYDROXYCORTICOSTERONE: 1220
18-HYDROXYDESOXYCORTICOSTERON: 194, 1220, 1706, 2945, 3014, 3803–3804, 3887, 4226
HYDROXYDIONE: 4373
HYDROXYDOPAMINE: 177, 870, 1290, 1987, 2120, 2208, 2378, 2716, 4183
HYDROXYESTRONES: 187, 635
HYDROXYETHYL STARCH: 3925, 4277
HYDROXYETHYLRUTOSIDE: 391
HYDROXYINDOLEACETIC ACID: 198, 401, 415, 425, 620, 942, 1436, 1834, 1952, 2184, 2339, 2480, 2573, 3455, 3654, 3882, 4137
HYDROXYLAMINES: 2058
HYDROXYLASES: 2945, 3868
HYDROXYLATION: 776, 881, 885, 1546, 3178, 3383, 3572
HYDROXYMERCURIBENZOATES: 787
HYDROXYMETHYLGLUTARYL COA REDUCTASES: 1946
HYDROXYPREGNENOLONE: 79, 389, 906, 1138
HYDROXYPROGESTERONES: 79, 139, 353, 389, 463, 841, 1148, 1201, 1391, 1703, 2105, 2160, 2735, 2839, 3933
HYDROXYPROLINE: 256, 335, 1146, 2046, 3332
HYDROXYPROSTAGLANDIN DEHYDROGENASES: 1994, 2380, 3933
HYDROXYSTEROID DEHYDROGENASES: 535, 3085, 4046
3-HYDROXYSTEROID DEHYDROGENASES: 677, 1959, 3205, 4281
HYDROXYSTEROIDS: 284–285, 1556, 3776
HYDROXYTRYPTOPHAN: 177, 252, 1497, 2132, 3167, 3520, 3820, 4169
HYGIENE: 3771
HYOID BONE: 3912
HYPERALDOSTERONISM: 230, 278, 296, 632, 650, 742, 770, 828, 1070, 1147, 1261, 1325, 1957, 1979, 2114, 2221, 2238, 2275, 2542, 2852, 2933, 2944–2945, 3232, 3316, 3330, 3405, 3447, 3492, 3620, 4104, 4287, 4307
HYPERALGESIA: 425
HYPERBARIC OXYGENATION: 184, 3155, 3865, 4341
HYPERBILIRUBINEMIA: 3095
HYPERCALCEMIA: 9, 74, 170, 275, 307, 310, 316, 359, 376, 570, 651, 672, 743, 774, 882, 1314, 1532, 1756, 1872, 2046, 2328, 2411, 2481, 2520, 2525, 2645, 2856, 2920, 2924, 2932, 3011, 3019, 3040, 3231, 3332, 3378, 3583, 3693, 3833, 4079, 4263
HYPERCAPNIA: 2008
HYPERCEMENTOSIS: 648
HYPERCHOLESTEREMIA: 1745, 1764, 2460, 3344, 3513, 3999
HYPEREMESIS GRAVIDARUM: 499, 1102
HYPEREMIA: 4341
HYPERGAMMAGLOBULINEMIA: 1249
HYPERGLYCEMIA: 219, 567
HYPERINSULINISM: 682
HYPERKALEMIA: 1671, 2053
HYPERLIPEMIA: 328, 1002, 1974, 2122
HYPEROSTOSIS, CORTICAL CONGENITAL: 2499
HYPEROSTOSIS FRONTALIS INTERNA: 3802
HYPERPARATHYROIDISM: 359, 376, 409, 569, 599, 651, 672, 703, 934, 999, 1254, 1314, 1552, 1602, 1720, 1765, 2046, 2301, 2411, 2459, 2525, 2645, 2794, 2932, 3200, 3433, 3555, 4044, 4074, 4079, 4200, 4320
HYPERPARATHYROIDISM, SECONDARY: 9, 197, 317, 737, 1197, 1314, 2487, 3715
HYPERPLASIA: 181, 230, 370, 376, 572, 654, 703, 742, 1603, 1756, 2418, 2526, 3013, 3245, 3492, 3797, 3949, 3971, 4050, 4200, 4259
HYPERSENSITIVITY: 1102, 2556, 2565, 4149
HYPERSENSITIVITY, DELAYED: 1404, 1813, 2111
HYPERSENSITIVITY, IMMEDIATE: 1406, 1992, 2111
HYPERTENSION: 4, 22, 55, 88, 241, 264, 278, 296–297, 320, 322–323, 373, 466, 471, 497, 567, 575, 590, 650, 676, 678, 745, 770, 791, 941, 1023, 1054, 1080, 1097, 1164, 1239, 1273, 1292, 1297, 1319, 1325, 1333, 1341, 1347, 1371, 1459, 1461–1462, 1571, 1574, 1687–1688, 1701, 1706, 1711, 1721–1722, 1746, 1769, 1957, 1993, 2074, 2165, 2169, 2179, 2200, 2236, 2275–2276, 2288, 2335, 2372, 2381, 2418, 2428, 2445, 2524, 2542–2543, 2637, 2691, 2703, 2748, 2773, 2781, 2888, 2911, 2933, 3019, 3118, 3149, 3196, 3230, 3232, 3276, 3330, 3405, 3506, 3515, 3687, 3717, 3794, 3819, 3828, 3868, 3887, 3895, 3931, 4011, 4159, 4205, 4207, 4280, 4414
HYPERTENSION, MALIGNANT: 18, 1769, 2275, 2713, 3405, 3819, 4307
HYPERTENSION, PORTAL: 644, 3245
HYPERTENSION, PULMONARY: 1759
HYPERTENSION, RENAL: 264, 278, 320, 395, 894, 1139, 1325, 1371, 1461, 1603, 1609, 1957, 2053, 2074, 2125, 2275, 2428, 2524, 2543, 2691, 2713, 2967, 3405, 3505, 3515, 3605, 3666, 3787, 3900, 4013, 4164
HYPERTHYROIDISM: 182, 185, 255, 357, 445, 452, 511, 517, 523–524, 573, 595, 619, 648, 656, 752, 777, 948, 1040, 1133, 1144, 1198, 1210, 1313–1314, 1318, 1412, 1491, 1590, 1600, 1636, 1652, 1702, 1717, 1719, 1748, 1778, 1805, 1866, 1956, 2241, 2267, 2297, 2394, 2415, 2441, 2501, 2561, 2614, 2672, 2693, 2747, 2781, 2791, 2832, 2834, 2864, 2892, 2932, 2977, 3146, 3282, 3337, 3435, 3583, 3688, 3704, 3774, 3937, 3987, 4066, 4072, 4152, 4176, 4377, 4392, 4410
HYPERTONIC SOLUTIONS: 438, 2983, 3930
HYPERTRICHOSIS: 538, 1654, 2748, 3499
HYPERTROPHY: 1126–1127, 1651, 1845, 2588, 2786, 3013, 4024
HYPNOTICS AND SEDATIVES: 3292, 3897, 4271
HYPOCALCEMIA: 42, 75, 84, 368, 570, 623, 1552, 2176, 2487, 2592, 2600, 3210–3211, 3312, 3378, 3433, 3715
HYPOCHONDRIASIS: 3418
HYPOGLYCEMIA: 364, 596, 1711, 1764, 2165, 2463, 2919, 3058, 3151, 3514, 3884, 4300
HYPOGLYCEMIC AGENTS: 832, 852, 4100
HYPOGONADISM: 134, 583, 850, 935, 1441, 1724, 1798, 1902, 1911, 2073, 2200, 3374, 3478, 3558, 3801, 3959, 4114, 4185, 4276
HYPOKALEMIA: 22, 230, 567, 2063, 2591, 2703
HYPOLIPOPROTEINEMIAS: 121, 1002
HYPONATREMIA: 1088, 1461, 2670, 2692, 2713, 3243, 3605, 4163
HYPOPARATHYROIDISM: 84, 1141, 1329, 2364, 2459, 2651, 2949, 3180, 4439
HYPOPHOSPHATEMIA, FAMILIAL: 1217, 2325, 3573
HYPOPHYSECTOMY: 219, 400, 566, 669, 687–688, 731, 883, 916, 942, 972, 1463, 1531, 1536–1537, 1645, 1684, 1811, 1907, 1923, 1961, 2010, 2039, 2234, 2278, 2291, 2351, 2538, 2820, 3044, 3093, 3122–3123, 3162, 3514, 3672, 3904, 3946, 4054, 4133, 4236, 4371, 4401
HYPOPITUITARISM: 101, 132, 328, 419, 1088, 1788, 1860, 2324, 2692, 2859, 2947, 3618, 3927, 4063, 4300
HYPOSPADIAS: 2135, 3408, 3454, 3527
HYPOTENSION: 807, 1609, 4091
HYPOTENSION, ORTHOSTATIC: 1940
HYPOTHALAMO-HYPOPHYSEAL SYSTEM: 44, 64, 103, 134, 177, 494, 522, 549, 671, 809, 878, 959, 972, 974, 982, 1025, 1066, 1156, 1212, 1295, 1513, 1553, 1762, 1851, 1924, 2039, 2273, 2324, 2365–2366, 2567, 2574, 2589, 2711, 2753, 2943, 3066, 3148, 3426, 3466, 3468, 3494, 3514, 3526, 3585, 3591, 3674, 3783, 3821, 3860, 3939–3940, 4202, 4264, 4356
HYPOTHALAMUS: 21, 36, 103, 108, 110, 131, 134, 155, 157, 178, 217, 222–223, 225, 256, 269, 277, 354, 362, 416, 450, 458, 460, 505–506, 583, 604, 614, 627, 665, 701, 706, 751, 780, 798–799, 810, 974, 1000, 1028–1029, 1060, 1173, 1191, 1207, 1213, 1223, 1243, 1251, 1263, 1295, 1347,

1402, 1415, 1432, 1444, 1450–1451, 1455, 1486–1487, 1492, 1529, 1586, 1607, 1624, 1634, 1754, 1769, 1776, 1787, 1799, 1811, 1842, 1873, 1876, 1885, 1893, 1916–1917, 1933, 1939, 1975, 1999, 2009, 2028, 2030, 2032, 2049, 2075, 2106, 2120–2121, 2146, 2148, 2173, 2175, 2253–2254, 2271, 2321, 2337, 2378–2379, 2403, 2448, 2471, 2503–2504, 2509, 2529, 2561, 2586, 2594, 2611, 2636, 2660–2661, 2668, 2686, 2746, 2755, 2764, 2771, 2829–2830, 2860, 2884, 2894, 2910, 2943, 2953, 2963, 3015, 3042, 3053, 3077, 3097, 3109, 3113–3114, 3137, 3221, 3269, 3283, 3288, 3302, 3305, 3310, 3315, 3342, 3374, 3406, 3412, 3440, 3448, 3459, 3481, 3484–3486, 3506–3507, 3540, 3551, 3586–3587, 3606, 3684, 3699, 3703, 3795, 3799, 3851–3852, 3894, 3903, 3924, 3959, 3966, 3998, 4009, 4020, 4036, 4105, 4121, 4133–4135, 4153, 4166, 4181, 4185, 4193, 4224, 4237, 4261, 4266, 4276, 4315, 4352–4353

HYPOTHALAMUS, ANTERIOR: 155, 178, 798, 2154, 2222, 3288, 3484, 3606, 3924

HYPOTHALAMUS, MEDIAL: 223, 665, 1295, 2030, 2173, 2746, 2943, 3083, 3699, 4261

HYPOTHALAMUS, POSTERIOR: 110, 155, 178, 1029, 2154, 4105

HYPOTHERMIA: 98, 2802

HYPOTHERMIA, INDUCED: 218, 1060, 4341

HYPOTHYROIDISM: 51, 87, 215, 255, 357, 360, 419, 511, 522, 550, 675, 831, 890, 948, 981, 1065, 1318, 1605, 1637, 1745, 1866, 1890, 1972, 2040, 2061, 2092–2093, 2110, 2241, 2267, 2297, 2306, 2415, 2501, 2561, 2611, 2626, 2632, 2892–2893, 2978, 3090, 3104, 3186, 3211, 3282, 3340, 3435, 3482, 3610, 3646, 3786, 4024, 4050, 4129, 4163, 4176, 4309, 4324, 4330, 4377

HYPOXANTHINE PHOSPHORIBOSYLTRANSFERASE: 1387, 2779

HYPOXANTHINES: 2072

HYSTERECTOMY: 428, 463, 1330, 1445, 1665, 1843, 2486, 2527, 2546, 2928, 3203, 3241, 3738

HYSTEROSALPINGOGRAPHY: 2527

I

IATROGENIC DISEASE: 988, 1473, 3774

IBUPROFEN: 1821

IDENTIFICATION (PSYCHOLOGY): 436, 2462

IDOXURIDINE: 475

IGA: 746, 3626, 4194, 4227

IGA, SECRETORY: 4194

IGD: 2078

IGE: 7, 818, 1992, 2585

IGG: 435, 746, 938, 1481, 1548, 2319, 2436, 3175, 3290, 3608, 3626, 3864, 4061, 4195

IGM: 746, 3290, 3626, 3757, 3864, 4195

ILEUM: 14, 518, 737, 1186, 1686, 1970, 3441, 3973

ILIAC ARTERY: 1473

IMAGE ENHANCEMENT: 1542

IMIDAZOLES: 2342, 3252, 4216

IMINES: 839, 858, 1474

IMIPRAMINE: 1852, 1952, 2281, 3820

IMMERSION: 461, 1069–1070

IMMOBILIZATION: 307, 820, 2116, 2630, 3332

IMMUNE COMPLEX DISEASE: 2319, 2770, 3175

IMMUNE SERUMS: 225, 1182, 1184, 1290, 1394, 1786, 1853, 1966, 2068, 2129, 2137, 2146, 2371, 2784, 2901, 3092, 4272, 4306, 4385

IMMUNE TOLERANCE: 1082, 1140, 2436, 2731, 3864

IMMUNITY: 556, 1231, 3139, 4149

IMMUNITY, CELLULAR: 245, 490, 510, 673, 1672, 1824, 2436, 3237, 3864, 4117, 4119, 4369

IMMUNITY, NATURAL: 66, 1665, 4209

IMMUNITY, PASSIVE: 2344, 3588, 4189, 4210

IMMUNIZATION: 1140, 1786, 3086, 3709, 4230

IMMUNIZATION SCHEDULE: 866

IMMUNIZATION, SECONDARY: 866

IMMUNOASSAY: 775, 2080, 3184, 3782

IMMUNOCHEMISTRY: 1333

IMMUNOELECTROPHORESIS: 670, 956, 1664, 3717, 4249

IMMUNOELECTROPHORESIS, TWO-DIMENSIONAL: 417, 1606

IMMUNOENZYME TECHNICS: 128, 816, 959, 1344, 1674, 2078, 2740, 3962, 3981, 4068, 4165–4166, 4181

IMMUNOGLOBULINS: 33, 837, 958, 1790, 1840, 2663, 3626

IMMUNOGLOBULINS, FC: 966

IMMUNOGLOBULINS, HEAVY CHAIN: 3462

IMMUNOGLOBULINS, KAPPA CHAIN: 1286

IMMUNOGLOBULINS, LIGHT CHAIN: 1286

IMMUNOGLOBULINS, SURFACE: 2461, 2580

IMMUNOLOGIC DEFICIENCY SYNDROMES: 818, 1707, 3213, 3532, 3564, 4361

IMMUNOLOGIC DISEASES: 818, 837

IMMUNOLOGIC MEMORY: 1420

IMMUNOLOGIC TECHNICS: 362, 1183, 1324, 3821, 3981

IMMUNOSORBENT TECHNICS: 687–688, 3956

IMMUNOSORBENTS: 956, 3608

IMMUNOSUPPRESSION: 5, 144, 245, 1140, 1749, 1844, 2431, 2436, 3237, 3370, 3462, 3685, 3726, 3757

IMMUNOSUPPRESSIVE AGENTS: 19, 94, 191, 553, 597, 949, 1131, 1190, 1360, 1824, 3237, 4253, 4272

IMMUNOTHERAPY: 37, 69, 2500

IMPOTENCE: 86, 667, 808, 1215, 1724, 2213, 3374, 3466, 3527

INBREEDING: 1259

INCISOR: 1127, 1536–1537

INCLUSION BODIES, VIRAL: 475

INDANS: 926

INDENES: 926

INDIANS, NORTH AMERICAN: 3538

INDICATORS AND REAGENTS: 839, 956, 1425, 2371, 3371, 3471, 4001

INDIUM: 46, 540

INDIVIDUALITY: 3670

INDIVIDUATION: 436

INDOCYANINE GREEN: 2050

INDOLEACETIC ACIDS: 124, 832, 1436

INDOLES: 423, 1349, 1852, 2205, 2623, 2683, 3138, 3807

INDOMETHACIN: 238, 259, 390, 437, 584, 609, 647, 893, 901, 949, 1097, 1128, 1131, 1336–1337, 1399, 1440, 1470, 1539, 1593, 1692, 1797, 1821, 1920, 2053, 2380, 2386, 2432, 2645, 2934, 2942, 3001, 3124, 3238, 3316, 3924, 4151, 4177, 4327, 4337, 4384

INDOPHENOL: 926

INDUSTRIAL MEDICINE: 26, 496

INFANT: 64, 69, 76, 84–85, 87, 186, 203, 208, 225, 262, 277, 286, 307, 377, 429–430, 445, 560, 601, 605, 679, 801, 803, 853, 874, 911, 935, 949, 998, 1081, 1113, 1217, 1264, 1422, 1449, 1492, 1499, 1522, 1527, 1538, 1552, 1559, 1608, 1640, 1654, 1663, 1717, 1748, 1820, 1855, 1866, 1869, 1965, 2016, 2026, 2038, 2130, 2150, 2226, 2265, 2303, 2398, 2499, 2548, 2556, 2589, 2592, 2610, 2616, 2697, 2707–2708, 2725, 2818, 2828, 2931, 3046–3048, 3143, 3233, 3322, 3340, 3348, 3403, 3408, 3499, 3527, 3544, 3548, 3557–3558, 3591, 3605–3606, 3674, 3719, 3723, 3736, 3817, 3839, 3860, 3869, 3880, 3884–3885, 3913, 3922, 4022, 4046, 4080, 4145, 4190, 4204, 4225, 4260, 4271, 4278, 4296, 4366, 4396, 4403, 4432

INFANT FOOD: 1869, 3877

INFANT, LOW BIRTH WEIGHT: 42, 905, 1365, 1651, 1942, 2318, 3366, 3815, 3877, 4145

INFANT MORTALITY: 11, 2688, 2808, 3112, 4225

INFANT, NEWBORN: 11, 42, 64, 73, 75, 186, 277, 285, 307, 325, 377, 445, 488, 506, 524, 550, 605, 611–612, 623, 685, 803, 890, 905–906, 911–913, 923, 1065, 1086–1087, 1126, 1204, 1296, 1348, 1365, 1380, 1442, 1543–1544, 1559, 1581, 1605, 1608, 1612, 1637, 1640, 1651, 1717, 1736, 1820, 1869–1870, 1890, 1942, 1972, 1994–1995, 2061, 2066, 2110, 2135, 2142, 2147, 2226, 2256, 2262, 2282, 2306, 2318, 2398, 2401, 2430, 2432, 2477, 2589, 2592, 2600, 2632, 2634, 2688, 2710, 2754, 2839, 2931, 2979, 2999, 3031, 3047–3048, 3056, 3072, 3095, 3113, 3238, 3274, 3282, 3322, 3340, 3348, 3350, 3366, 3380, 3398, 3433, 3499, 3663, 3688, 3712, 3719, 3771, 3815, 3839, 3877, 3890, 3895, 3914, 3927, 3929, 3970, 3989, 3999, 4014, 4022, 4029, 4145, 4148, 4176, 4204, 4225, 4250, 4255, 4271, 4278, 4296, 4351, 4361, 4366, 4435

INFANT, NEWBORN, DISEASES: 11, 42, 73, 75, 445, 550, 611–612, 1348, 1365, 1544, 1608, 1717, 1890, 2061, 2110, 2477, 2634, 2688, 2839, 3282, 3433, 3688, 4250, 4255, 4361

INFANT NUTRITION: 1734, 2477, 3771, 4225, 4278

INFANT, PREMATURE: 42, 325, 803, 1365, 2432, 2600, 2754, 3717, 3771, 4029

INFANT, PREMATURE, DISEASES: 623, 890, 3366, 3970

INFANT, SMALL FOR GESTATIONAL AGE : 42, 923, 1559, 3433, 4029, 4250

INFARCTION: 1898, 2808, 3390, 3403

INFECTION: 1571, 1944, 2370, 2419

INFECTIOUS MONONUCLEOSIS: 1134, 1281

INFERIOR COLLICULUS: 3484–3485

INFLAMMATION: 142, 1249, 1855, 2021, 3065, 3402

INFLUENZA: 199, 3167, 4253

INFLUENZA VACCINE: 199, 4253

INFORMATION THEORY: 3193

INFORMED CONSENT: 261

INFUSIONS, INTRA-ARTERIAL: 1315

INFUSIONS, PARENTERAL: 138, 319, 600, 609, 825, 859, 1097, 1223, 1444, 1475, 1851, 1983, 2279, 2285, 2381, 2458, 2645, 3324, 3765, 4164

INGUINAL HERNIA: 1401, 4069

INJECTIONS: 6, 64, 249, 781, 1168, 2321, 2348, 2419, 2455, 2535, 2961, 3599, 3936, 4154

INJECTIONS, INTRA-ARTERIAL: 340, 1055, 1167

INJECTIONS, INTRA-ARTICULAR: 2225, 3382, 4191

INJECTIONS, INTRADERMAL: 3065

INJECTIONS, INTRALYMPHATIC: 2895

INJECTIONS, INTRAMUSCULAR: 118, 169, 893, 1196, 1840, 1851, 1880, 2488, 2665, 2813, 3350, 3892, 4432

INJECTIONS, INTRAPERITONEAL: 931, 1951, 2072, 2515, 3272, 3315, 3852, 3968

INJECTIONS, INTRAVENOUS: 156, 249, 379, 536, 576, 646, 1165, 1167, 1298, 1596, 1747, 2041, 2279, 2458, 2524, 2543, 2723, 2754, 2774, 2813, 2927, 3041, 3127, 3294, 3350, 3497, 3528, 3785, 3892, 4098

INJECTIONS, INTRAVENTRICULAR: 28, 382, 1952, 2072, 2524, 2983, 2989, 3042, 3127, 3272, 3459

INJECTIONS, SUBCUTANEOUS: 1, 931, 1547, 1560, 1851, 2711, 2723, 3221, 3851, 4432

INOSINE: 2072

INOSINE CYCLIC-3',5'-MONOPHOSPHATE: 592

INSECT CONTROL: 3547

INSECTICIDES: 4221

INSECTICIDES, CARBAMATE: 521

INSECTICIDES, ORGANOCHLORINE: 1076, 3021

INSECTICIDES, ORGANOPHOSPHATE: 1310

INSECTICIDES, ORGANOTHIOPHOSPHATE: 3439

INSEMINATION, ARTIFICIAL: 2875

INSEMINATION, ARTIFICIAL, HOMOLOGOUS: 4148

INSULIN: 31, 115, 135–137, 140, 219, 324, 394, 583, 607, 621, 661, 663, 682, 943, 1335, 1452–1455, 1458, 1463, 1516, 1543, 1554–1555, 1584, 1666, 1711–1712, 1715, 1748, 1778, 1789, 1974, 2106, 2221, 2277, 2312, 2324, 2351, 2396, 2412–2413, 2424, 2460, 2470, 2637, 2652, 2676, 2734, 2755, 2820, 2857, 2859, 2972, 3005, 3058, 3129, 3197, 3222, 3267, 3465, 3514, 3590, 3664, 3749, 3751, 3759, 3813, 3827, 3967, 3977, 3982, 4077, 4091, 4147, 4168, 4231, 4300, 4322–4323, 4355, 4364

INSULIN ANTAGONISTS: 219, 3225

INSULIN ANTIBODIES: 4322

INSULIN RESISTANCE: 682

INTELLIGENCE: 87, 2649, 3192

INTERCELLULAR JUNCTIONS: 120, 638, 2810, 3561, 3830

INTERFERON: 66, 568, 1275, 3006, 3788, 4355

INTERFERON INDUCERS: 66, 3788

INTERMITTENT CLAUDICATION: 3635

INTERNATIONAL COOPERATION: 1521, 2161

INTERNEURONS: 347

INTERPERSONAL RELATIONS: 3091

INTERPHASE: 4342

INTERPROFESSIONAL RELATIONS: 165

INTERTRIGO: 4080

INTERVERTEBRAL DISK

DISPLACEMENT: 1906, 3719
INTESTINAL ABSORPTION: 339, 392, 472, 623, 735, 1146, 1152, 1205, 1686, 1869, 1950, 1955, 1989, 2033, 2178, 2243, 2290, 2478, 2815, 3048, 3297, 3715, 3973, 3978, 4258
INTESTINAL DISEASES: 3880
INTESTINAL MUCOSA: 250, 472, 518, 897, 1152, 1193, 1253, 1337, 1983, 2290, 2363, 3441, 3630, 3807, 3973, 4041, 4258–4259, 4309, 4438
INTESTINAL NEOPLASMS: 806, 1519, 1533, 2047, 2515, 3132, 3157, 3810
INTESTINAL OBSTRUCTION: 1473, 3455, 3593, 3968
INTESTINAL PERFORATION: 1857
INTESTINAL POLYPS: 432, 629, 2014
INTESTINAL SECRETIONS: 1325
INTESTINE, LARGE: 3209, 4259
INTESTINE, SMALL: 216, 437, 518, 897, 1152, 1272, 1337, 1473, 1983, 2290, 2363, 2549, 2752, 3593, 4259, 4337, 4368
INTESTINES: 62, 138, 898, 1946, 2206, 3216, 3455, 4247, 4258–4259, 4267
INTRACRANIAL PRESSURE: 2, 277, 2763, 3246, 3426, 3828
INTRAOCULAR PRESSURE: 207, 259, 282, 2166, 3302, 3533, 3617, 3634, 3724, 4412
INTRAUTERINE DEVICES: 528, 973, 1388, 2897, 3298, 3552, 3727
INTRAUTERINE DEVICES, COPPER: 2367, 3402
INTRAUTERINE DEVICES, MEDICATED: 2897
INTUBATION, GASTROINTESTINAL: 3852
INTUBATION, INTRATRACHEAL: 2763, 4078
INULIN: 197, 1638, 4270
IODAMIDE: 3593
IODIDE PEROXIDASE: 658, 902
IODIDES: 369, 380, 445, 470, 638, 899, 1010, 2133, 2182, 3264, 3294, 3760, 3938, 4301
IODINE: 56–57, 247, 315, 611–612, 752, 805, 902, 1013, 1407, 1585, 1633, 1789, 1805, 2096, 2170, 2181, 2242, 2629, 2647, 2733, 2886, 2930, 3106, 3387, 3550, 3565, 3572, 3593, 3730, 3936, 3985
IODINE RADIOISOTOPES: 227, 315, 329, 369, 390, 452, 527, 529, 573, 632, 753, 805, 1115, 1136, 1256, 1260, 1279, 1413, 1667, 1766, 1795, 1956, 2102, 2185, 2371, 2498, 2614, 2638, 2788, 2994, 3027, 3117, 3133–3134, 3146, 3177, 3282, 3391, 3510, 3730, 3816, 3869, 3920, 4301, 4388, 4436
IODIPAMIDE: 3593
IODOACETAMIDE: 787, 1971
IODOACETATES: 1397, 2658
IODOBENZENES: 4297
IODOBENZOATES: 380
IODOHIPPURIC ACID: 380
IONOPHORES: 1992, 2934, 3943, 4189
IONS: 397, 2089, 3008, 3183, 3280, 3496
IONTOPHORESIS: 1294, 1493, 2362
IPRONIAZID: 997, 3587
IPROVERATRIL: 83, 914, 1015, 2843
IRIDIUM: 2991
IRIS: 76, 953, 2495, 2931, 3287, 3533, 4407
IRON: 503, 580, 657, 701, 879, 1161, 1572, 2020. 2373, 3631, 3762, 4227
IRON-DEXTRAN COMPLEX: 3092
IRON ISOTOPES: 2033
IRRIGATION: 966, 2733, 2984
IRRITANTS: 142, 3291
ISATIN: 2205
ISCHEMIA: 655, 1009, 1408, 1983, 2302, 3029, 3806, 4341
ISETHIONIC ACID: 3063
ISLANDS OF LANGERHANS: 607, 774, 1452–1454, 2894, 3222
ISLET CELL TUMOR: 409, 596, 2257, 2871
ISOANTIGENS: 2580
ISOCITRATE DEHYDROGENASE: 2198
ISOELECTRIC FOCUSING: 3608, 3709, 3818, 4354
ISOELECTRIC POINT: 374, 1324, 2227, 2359
ISOENZYMES: 50, 106, 245, 288, 304, 512, 542, 761, 1323–1324, 1668, 3051, 3186, 3216, 3334, 3385, 3518, 4188
ISOMERASES: 1153
ISOMERISM: 1086, 2980, 3284
ISONIAZID: 2499
ISOPROTERENOL: 59, 248, 323, 347, 350, 368, 741, 1030, 1080, 1423, 1437–1438, 1464, 1793, 1983, 2149, 2194, 2198, 2208, 2385, 2439, 2510, 2602, 2990, 3001, 3088, 3285, 3303, 3334, 3384, 3602, 3653, 3848, 3930, 4057, 4064, 4186, 4201, 4208, 4220, 4238, 4245
ISOQUINOLINES: 2341, 3131
ISOTONIC SOLUTIONS: 743
ISOTOPE LABELING: 753, 878, 1037, 2994
ISOTOPES: 2033
ISOXSUPRINE: 1437

J

JAUNDICE: 1672
JAUNDICE, NEONATAL: 1543, 2600
JAUNDICE, OBSTRUCTIVE: 130, 3281, 3658, 4247
JAW: 1389, 1524
JAW DISEASES: 3594
JAW NEOPLASMS: 432, 2022
JEJUNUM: 518, 737, 1193, 1521, 1686, 2983, 3157, 3807, 3884, 4017
JOINT DISEASES: 135, 3382
JOINT PROSTHESIS: 3528
JOINTS: 944, 2464, 3304
JUGULAR VEINS: 2036, 2062
JUVENILE HORMONES: 1390
JUXTAGLOMERULAR APPARATUS: 230, 545, 1609, 2025, 2713, 3097, 3840

K

KAINIC ACID: 2961
KALLIKREIN: 319, 650, 894, 962, 1070, 1169, 1746, 2691, 3447, 4104, 4292
KALLIKREIN-TRYPSIN INACTIVATOR: 1034, 2189, 4428
KANGAROOS: 2383
KARYOTYPING: 637, 851, 930, 1300, 1832, 1865, 2135, 2398, 2592, 2699, 2785, 3233, 3287, 3408, 3531, 3736, 3839, 4046, 4060, 4302, 4402–4403
KELOID: 228, 1382
KEPONE: 1076, 3021
KERATIN: 2851
KERATITIS: 2996
KERATOSIS: 3723
KETAMINE: 1349, 2670–2671, 2674
KETOGLUTARIC ACIDS: 1872
KETONE BODIES: 136–137, 219, 3129
KETONE OXIDOREDUCTASES: 584
KETONES: 4123
KETOSIS: 3151
KETOSIS, DIABETIC: 219, 314, 1748
KETOSTEROIDS: 1036, 1823, 1946, 3995, 4001
17-KETOSTEROIDS: 85, 164, 808, 1045, 1068, 1346, 1963, 2035, 2541, 2865, 2966, 3402, 3498, 3578, 3666, 3868, 3953, 4052
KIDNEY: 19, 61, 82, 98, 143, 152, 179, 224, 253, 304, 308–309, 319, 351, 373, 392, 461, 469, 521, 576, 610, 618, 650, 667, 696, 770, 833, 894, 900, 914, 941, 985, 1054, 1070, 1080, 1128–1129, 1155, 1161, 1169, 1178, 1190, 1252, 1332, 1420, 1434, 1446, 1457, 1524, 1588, 1603, 1619–1620, 1625, 1638–1639, 1649, 1687, 1718, 1746, 1752, 1789, 1797, 1846, 1857, 1861–1862, 1872, 1888, 1900, 1933, 1949, 1962, 2001, 2005, 2028, 2036, 2043, 2046, 2167, 2178, 2184, 2190, 2296, 2301, 2333, 2344, 2381–2382, 2410, 2436, 2478, 2575, 2583, 2593, 2673, 2681, 2734, 2750, 2752, 2759, 2787, 2880, 2891, 2904, 2929, 2934, 2942, 2994, 3008, 3011, 3017, 3029, 3033, 3043, 3068, 3128, 3162, 3215, 3276, 3278, 3330, 3334, 3375, 3444–3445, 3447, 3490, 3522, 3527, 3580, 3646, 3790, 3814, 3819, 3840, 3925, 3960, 3972, 4064, 4217–4218, 4246–4248, 4272, 4275, 4292, 4306, 4348
KIDNEY CALCULI: 147, 166, 722, 1240, 1900, 2046, 2583, 2725, 3011, 3693, 4044, 4263
KIDNEY CONCENTRATING ABILITY: 886, 1155, 2028, 2575, 3029, 3226, 3591, 3972
KIDNEY CORTEX: 590, 914, 1098, 1255, 1625, 1752, 2361, 2410, 2534, 3162
KIDNEY, CYSTIC: 3745
KIDNEY DISEASES: 144, 146, 184, 191, 308, 455, 496, 599, 745, 779, 882, 886, 1169, 1333, 1588, 1603, 1926, 2084, 2221, 2301, 2393, 2436, 2556, 2691, 2933, 3322, 3687, 4317
KIDNEY FAILURE, ACUTE: 319, 754, 2123, 2871, 3029, 4247
KIDNEY FAILURE, CHRONIC: 194, 197, 310, 411, 512, 587, 735, 754, 1190, 1341, 1532, 1718, 1765, 1950, 2046, 2125, 2496, 2655, 2747, 2967, 3087, 3279, 4206, 4248, 4275, 4358
KIDNEY FUNCTION TESTS: 144, 1371, 2221, 2770
KIDNEY GLOMERULUS: 143, 230, 265, 296, 985, 2730, 2770, 3068, 3814, 4248
KIDNEY MEDULLA: 886, 894, 914, 1625, 2853, 3162
KIDNEY NEOPLASMS: 69, 154, 265, 395, 496, 1245, 1363, 1501, 1519, 2025, 2226, 2435, 2520, 2786, 2967, 3287, 3605, 3745, 4282
KIDNEY PELVIS: 496, 4296
KIDNEY TUBULES: 197, 230, 393, 721, 985, 1528, 2468, 2575, 2969, 3008, 3273, 3330, 3609, 3814, 4248
KIDNEY TUBULES, DISTAL: 618, 1080
KIDNEY TUBULES, PROXIMAL: 618, 1098, 1255, 3215
KILLER CELLS: 1420, 1925
KINETICS: 39, 53, 62, 70, 106, 153, 160–161, 174, 186–187, 204, 208, 304, 352, 384, 390, 394, 402, 458, 464, 472, 474, 497, 616, 659, 687–688, 692, 696, 713, 736, 786–787, 833, 852, 892, 926, 928, 993, 1005, 1018, 1020, 1036, 1041, 1043, 1074, 1096, 1098, 1112, 1165, 1199, 1267, 1271, 1293, 1318, 1323, 1326, 1352, 1359, 1368, 1379, 1439, 1454, 1490, 1498, 1531, 1585, 1589, 1631–1632, 1648, 1670, 1714, 1735, 1747, 1752, 1774, 1802, 1833, 1863, 1981, 2000–2001, 2003, 2031, 2098, 2105, 2134, 2165, 2167, 2177–2178, 2188, 2227, 2266, 2299, 2309, 2350, 2413, 2433, 2449, 2470, 2474, 2497, 2508, 2643, 2686, 2721, 2783, 2792, 2824, 2837, 3036, 3080, 3084, 3098, 3119, 3140, 3168, 3222, 3263, 3273, 3326, 3336, 3429, 3488, 3512, 3584, 3624, 3631, 3660, 3773, 3836, 3858, 3863, 3870, 3879, 3884, 3933, 3948, 3969, 3976, 3985, 4026–4027, 4111, 4130, 4132, 4153, 4177, 4188, 4199, 4208, 4213–4214, 4279, 4288, 4293, 4311, 4401, 4409
KININASE II: 2298, 3127
KININOGENS: 4292
KININS: 650, 1070, 1169, 1746, 2691, 3794, 4104, 4292
KLINEFELTER'S SYNDROME: 582, 673, 1499, 1806, 2104, 2343, 2401, 2569, 2669, 2704, 4416
KNEE JOINT: 1433
KRYPTON: 370
KUPFFER CELLS: 1271, 1779
KYNURENINE: 273, 1436
KYPHOSIS: 3635

L

LABETALOL: 29, 471, 1164
LABOR: 137, 239, 403, 606, 968, 1435, 1656, 1736, 1739, 1994, 2453, 3145, 3944, 3999, 4404
LABOR COMPLICATIONS: 1736, 2093, 2262, 2430, 3022, 3944
LABOR, INDUCED: 238, 781, 1126, 1994, 3895, 3944, 4198
LABOR ONSET: 1739, 4404
LABOR, PREMATURE: 238, 330, 398, 1435, 1612, 2066, 2262, 3944
LACRIMAL APPARATUS: 535
LACRIMAL APPARATUS DISEASES: 65
LACTALBUMIN: 1794
LACTAMS: 246
LACTATE DEHYDROGENASE: 116, 159, 462, 1085, 1807, 2007, 2681, 4000, 4220, 4293
LACTATE DEHYDROGENASE ISOENZYMES: 1668, 2617, 3287
LACTATES: 136–137, 244, 474, 478, 1085, 1332, 1554, 1615, 2076, 3073, 3155, 3907, 4000
LACTATION: 73, 136–137, 253, 287, 305, 518, 542, 580, 634, 663–664, 740, 747, 766, 794, 877, 929, 952, 1106, 1266, 1317, 1423–1424, 1428, 1458, 1554, 1655–1656, 1672, 1693, 1734, 1794, 1869–1870, 1882, 2018, 2034, 2048, 2050, 2080, 2246–2247, 2294, 2373, 2440, 2463, 2477, 2593, 2624, 2702, 2782, 2811, 2959, 2983, 3048, 3107, 3129, 3144, 3187, 3244, 3314, 3321, 3398, 3443, 3449, 3570, 3686, 3716, 3762, 3771, 3791, 3851, 3973, 3999, 4056, 4135, 4194, 4225, 4259, 4278, 4313, 4376, 4390
LACTATION DISORDERS: 561, 634, 1177, 1876, 2214, 2517, 2975, 3478, 4358
LACTOFERRIN: 3762
LACTONES: 2186

LACTOPEROXIDASE: 470, 3177, 3347
LACTOSE: 1266, 1289
LACTOSE SYNTHETASE: 1226, 1714
LAMINECTOMY: 1298, 1351
LAMPREYS: 1681, 3009
LANTHANUM: 38, 174–175, 447, 2232, 3496, 4372
LAPAROTOMY: 105, 2680
LARVA: 2549, 3264, 3306, 3793, 4162, 4267
LARVA MIGRANS, VISCERAL: 4400
LARYNGEAL CARTILAGES: 1700
LARYNGEAL EDEMA: 3776
LARYNGEAL NEOPLASMS: 613, 1363, 2452, 2695
LARYNGEAL NERVES: 213, 1839, 2156
LARYNGECTOMY: 3387
LARYNGITIS: 1471, 4120
LARYNX: 1700
LASALOCID: 616, 1327, 2934, 3740
LATERALITY: 283, 1238, 1433, 2224, 2867, 3998, 4035
LATEX FIXATION TESTS: 4004
LATEX PARTICLES: 4004
LE CELLS: 680
LEAD: 1977, 2232, 3644, 4399
LEAD POISONING: 277, 503, 3644
LEARNING: 425, 1451, 2292, 2995, 3105
LECITHIN ACYLTRANSFERASE: 2241
LECITHIN ACYLTRANSFERASE DEFICIENCY: 1002
LEG: 221, 614, 1427, 3142, 3304, 3433
LEG DERMATOSES: 3060
LEG INJURIES: 4373
LEGUMES: 626
LEIOMYOMA: 1112, 3473, 3567
LEISHMANIASIS, VISCERAL: 4082
LENGTH OF STAY: 2688
LENS, CRYSTALLINE: 1593, 2495, 3721
LETHAL DOSE 50: 2384, 2712
LEUCINE: 288, 721, 1673, 2878
LEUCINE AMINOPEPTIDASE: 45, 900
LEUCYL-BETA-NAPHTHYLAMIDASE: 1474
LEUKEMIA: 69, 95, 265, 411, 500, 601, 1501, 1860, 2115, 2452, 2616, 2677, 2819, 3213, 3549, 3994, 4430
LEUKEMIA, EXPERIMENTAL: 1519, 2580, 3636, 3653, 3788
LEUKEMIA, LYMPHOBLASTIC: 91, 254, 1915, 2642, 2708, 3257, 3585, 3857, 3994
LEUKEMIA, LYMPHOCYTIC: 651, 1124, 1468, 1694, 1915, 2115, 2370, 3290, 3343, 3857
LEUKEMIA L1210: 1046
LEUKEMIA, MONOBLASTIC: 2642, 3592
LEUKEMIA, MYELOBLASTIC: 95, 254, 1954, 2115, 2616, 3636
LEUKEMIA, MYELOCYTIC: 19, 91, 790, 1047, 1840, 2451
LEUKEMIA, RADIATION-INDUCED: 1247
LEUKOCYTE COUNT: 490, 746, 966, 1396, 1840, 2222, 3290, 3434, 3594, 3681
LEUKOCYTE CULTURE TEST, MIXED: 750, 3812
LEUKOCYTES: 20, 91, 402, 426, 568, 1300, 1409, 1663, 2115, 2140, 3434, 3619, 3708, 3754, 3942, 4277, 4332–4333
LEUKOCYTOSIS: 3619, 3755
LEUKODYSTROPHY, GLOBOID CELL: 2265
LEUKODYSTROPHY, METACHROMATIC: 2265
LEUKOENCEPHALOPATHY, PROGRESSIVE MULTIFOCAL: 2265
LEUKOPENIA: 114, 1497, 1505, 1558, 2222, 4149, 4221
LEUKOPLAKIA, ORAL: 986
LEUKOVIRUSES: 475
LEUPEPTINS: 3976
LEVAMISOLE: 3651
LEVODOPA: 36, 104, 177, 561, 1156, 1216, 1223, 1587, 1892, 2271, 2947, 3305, 3352, 3540, 3654, 4229
LEYDIG CELL TUMOR: 1068, 1330, 1850, 4179
LEYDIG CELLS: 134, 163, 525, 692, 1005, 1531, 1716, 1850, 3153, 3400, 4046, 4054
LH: 1, 13, 86, 103, 129, 134, 167, 177, 223, 252, 260, 303, 365, 427, 494, 507, 564, 586, 628, 667, 669, 681, 692–693, 706, 736, 768, 816, 825, 835, 872–873, 887, 935, 969, 972, 1016, 1050, 1058, 1066, 1215, 1251, 1277, 1295, 1361, 1431–1432, 1445, 1494, 1568, 1712, 1716, 1760, 1827, 1836, 1850–1851, 1873, 1877, 1883, 1887, 1910, 1939, 1966, 1980, 2015, 2097, 2219, 2234, 2244–2245, 2278, 2280, 2365–2366, 2400, 2424, 2458, 2509, 2528, 2567, 2574, 2588, 2649, 2711, 2750, 2813, 2923, 2993, 3004, 3042–3043, 3054, 3087, 3099, 3121, 3126, 3144, 3148, 3261, 3318, 3339, 3406, 3409, 3421, 3426, 3468, 3514, 3570, 3589, 3601, 3669, 3672, 3674, 3706, 3736, 3781–3782, 3892, 3904, 3921, 3959, 3981, 4004, 4054, 4062, 4093–4094, 4096, 4098, 4114, 4156, 4202, 4230, 4244, 4256, 4269, 4276, 4289, 4352, 4354, 4363, 4401
LH-FSH RELEASING HORMONE: 86, 103, 113, 134, 217, 223, 225, 260, 485, 494, 506, 564, 628, 706, 760, 873, 887, 935, 959, 974, 1024, 1028, 1173, 1191, 1212, 1432, 1589, 1674, 1827, 1836, 1851, 1873, 2015, 2032, 2146, 2326, 2365, 2383, 2424, 2567, 2611, 2750, 2764, 2813, 2860, 2953, 3004, 3015, 3055, 3062, 3201, 3261, 3269, 3421, 3460, 3514, 3589, 3650, 3674, 3768, 3892, 3959, 3966, 4093, 4096, 4098, 4181, 4185, 4276, 4316
LIBIDO: 2244, 2284, 2458, 3091
LICHEN PLANUS: 1382
LIDOCAINE: 689, 1429, 2035, 2535, 3156, 4091, 4189
LIFE EXPECTANCY: 541
LIGANDS: 358, 3541, 3789
LIGASES: 919
LIGATION: 1660, 2575, 3630, 4270
LIGHT: 338, 343, 724, 972, 1326, 1349, 1425, 1439, 2172, 2471, 2744–2745, 3270, 3272, 3638, 3781, 3845, 3866, 4016, 4346, 4352–4353, 4407
LIGHTING: 820, 3504
LIMBIC SYSTEM: 17, 89, 627, 796, 1075, 1109–1110, 1213, 2121, 2522, 3114, 3193, 3305, 4137
LINKAGE (GENETICS): 2269, 3141, 3547, 4302
LINOLEIC ACIDS: 2134, 2294
LIP DISEASES: 4365
LIP NEOPLASMS: 2695
LIPASE: 867, 1797, 2089, 4227
LIPID MOBILIZATION: 3740
LIPIDS: 61, 169, 203, 327, 682, 740, 1372, 1455, 1509, 1572, 1699, 1812, 1869, 1953, 2122, 2518, 2637, 2652, 2925, 2942, 2950, 3030, 3120, 3123, 3137, 3176, 3344, 3496, 3529, 3909, 4070, 4107, 4187, 4217–4220, 4346
LIPIODOL: 2895
LIPOAMIDE DEHYDROGENASE: 618
LIPODYSTROPHY: 1974, 2142
LIPOMATOSIS: 989
LIPOPOLYSACCHARIDES: 1399, 2845
LIPOPROTEIN LIPASE: 344, 2652
LIPOPROTEINS: 173, 1118, 1745, 2637, 3026, 3999
LIPOPROTEINS, HDL: 121, 344, 431, 769, 1002, 1297, 3476
LIPOPROTEINS, LDL: 121, 344
LIPOPROTEINS, VLDL: 328, 344, 2312, 2652
LIPOSOMES: 343, 871, 944, 1154, 2054, 2779, 4397
LIPOTROPIC FACTORS: 2312
LIPOTROPIN: 268, 420, 1860, 2396, 2426, 3262, 3645, 3703, 3871–3872, 3917, 4166
LIPOXYGENASES: 3582, 4019
LITHIUM: 73, 202, 445, 865, 1356, 1451, 2394, 2403, 2794, 2847, 3146, 3503, 3637, 3755, 3793
LITHOCHOLIC ACID: 3898
LITTER SIZE: 794–795, 1739, 3265, 4171
LIVER: 29, 36, 162, 224, 244, 289, 302, 308, 324, 326, 364, 370, 374, 521, 579, 655, 741, 757, 787, 821, 840, 867, 891, 900, 919, 995, 1007, 1099, 1118, 1129, 1153, 1199, 1232, 1243, 1252, 1271, 1290, 1315, 1317, 1332, 1352, 1394, 1399, 1474, 1502, 1516, 1524, 1615, 1635, 1649, 1666, 1670, 1673, 1718, 1735, 1754, 1761, 1779, 1789, 1802, 1807, 1825, 1932, 1946, 1951, 1981, 2001, 2005, 2029, 2071, 2080, 2098, 2178, 2183–2184, 2198, 2231, 2273, 2289, 2294, 2299, 2312, 2333, 2344, 2351, 2353, 2374, 2413, 2431, 2550, 2626, 2643, 2654, 2673, 2681, 2712, 2729, 2734, 2752, 2787, 2797, 2801, 2861–2862, 2864, 2883, 2946, 2958, 2972, 2976, 2978, 2986, 2994, 3026, 3051, 3084, 3140, 3163, 3216–3217, 3278, 3295, 3310, 3334, 3336, 3369, 3383, 3439, 3444–3445, 3453, 3536, 3565, 3581, 3619, 3628, 3631, 3646, 3662, 3685, 3715, 3749, 3758–3759, 3838, 3857–3858, 3884, 3908, 3925, 3928, 3955, 3961, 3969, 4006, 4026–4027, 4058, 4063, 4107, 4217, 4304, 4309, 4345
LIVER ABSCESS: 2958
LIVER ABSCESS, AMEBIC: 1618
LIVER CIRCULATION: 370, 1339, 1488, 1802, 3749
LIVER CIRRHOSIS: 308, 333, 364, 644, 1069–1070, 1815, 1913, 2036, 2382, 2393, 2550, 2747, 3029, 3207, 3330, 3444–3445, 3502, 3522, 3600, 4246–4248, 4270, 4292
LIVER CIRRHOSIS, ALCOHOLIC: 309, 1913, 2273, 2749, 3029
LIVER CIRRHOSIS, BILIARY: 4424
LIVER DISEASES: 181, 411, 596, 1149, 1169, 2045, 2301, 2417, 2500, 2550, 2575, 2615, 2986, 3245, 4044, 4108, 4386
LIVER EXTRACTS: 460, 1807
LIVER GLYCOGEN: 661, 1099, 1290, 1615, 1745, 1919, 2802, 2862, 2972, 3759
LIVER NEOPLASMS: 9, 88, 92, 181, 629, 1158, 1195, 1315, 1679, 1764, 2045, 2204, 2312, 2416, 2550, 2635, 2677, 3245, 3390, 3569, 3628, 3905, 4022, 4052, 4232, 4282, 4386
LIVER REGENERATION: 370, 1232, 1846, 1951, 2098, 2312, 3749, 3758
LIZARDS: 162, 1894
LOCOMOTION: 2141, 2576
LOCUS COERULEUS: 915, 1108–1109, 2075, 2120, 2503–2504, 2727, 3135, 3206
LOEFFLER'S SYNDROME: 1936
LOMUSTINE: 3171
LONG-ACTING THYROID STIMULATOR: 1790, 2483, 3688, 4117
LONG TERM CARE: 118, 3032, 3218, 3729
LONGITUDINAL STUDIES: 4029
LOOP OF HENLE: 2133, 3814
LORDOSIS: 2374, 3635
LUMBAR VERTEBRAE: 433, 1286, 1785
LUMINESCENCE: 77, 201, 358, 3184, 4177
LUNG: 176, 521, 530, 762, 827, 922, 963, 966, 997, 1393, 1470, 1539, 1556, 1925, 1985, 2041, 2256, 2298, 2521, 2538, 2557, 2590, 2705, 2720, 2787, 2838, 2999, 3031, 3167, 3178, 3346, 3915, 4019, 4023, 4189
LUNG DISEASES: 184, 1360, 1765, 2333, 2749, 3549, 4023, 4170
LUNG DISEASES, FUNGAL: 2409
LUNG DISEASES, OBSTRUCTIVE: 33, 1676, 3878
LUNG NEOPLASMS: 265, 388, 526, 563, 679, 874, 989, 1247, 1307, 1406, 1533, 1659, 1859, 1891, 2364, 2416, 2435, 2452, 2677, 2762, 3213, 3262, 3390, 3511, 3658, 3718
LUPUS ERYTHEMATOSUS, SYSTEMIC: 143–144, 514, 673, 680, 938, 1236, 1360, 1915, 2268, 2308, 2569, 3307, 3757, 3864, 3979, 4253
LUTEIN CELLS: 1520
LUTETIUM: 2787
LYMPH: 2301
LYMPH NODE EXCISION: 154, 552, 1473, 2450, 4124
LYMPH NODES: 61, 430, 490, 750, 1124, 1704, 1974, 1986, 2109, 2370, 2615, 3002, 3290, 3396, 3592, 3812
LYMPHADENITIS: 556
LYMPHATIC DISEASES: 837, 1113, 2656
LYMPHATIC METASTASIS: 9, 71, 154, 331, 552, 1329, 1680, 1897, 2064, 2143, 2895, 3003, 3341, 4438
LYMPHATIC SYSTEM: 269
LYMPHEDEMA: 3880, 4314
LYMPHOCYTE COOPERATION: 3462
LYMPHOCYTE DEPLETION: 3434, 3757
LYMPHOCYTE TRANSFORMATION: 84, 746, 790, 1180, 1707, 1790, 1858, 2511, 3006, 3290, 3716, 3722, 3812, 4117, 4151
LYMPHOCYTES: 539, 723, 750, 889, 930, 1092, 1420, 1437–1438, 1468, 1694, 1749, 1840, 1858, 1949, 1986, 2055, 2192, 2370, 2461, 2511, 2549, 2571, 2642, 2785, 2845, 2987, 3002, 3035, 3115–3116, 3154, 3165, 3384, 3532, 3857, 3922, 3935, 4117, 4140, 4151, 4194
B-LYMPHOCYTES: 500, 746, 1824, 2145, 3462, 3501, 3681, 4149
T-LYMPHOCYTES: 66, 321, 510, 651, 691, 746, 750, 771, 966, 1012, 1053, 1082, 1480–1481, 1672, 1824, 2111, 2263, 2436, 2580, 2721, 2792, 2845, 3250, 3370, 3462, 3564, 3681, 3757, 3812, 3819, 3864, 4119, 4149
LYMPHOCYTOSIS: 1382
LYMPHOGRAPHY: 331, 563, 1897, 2895, 3313
LYMPHOID TISSUE: 541, 1053, 1824

LYMPHOKINES: 66, 2111
LYMPHOMA: 69, 165, 448, 601, 629, 978, 1078, 1468, 1558, 1793, 1800, 1814, 2333, 2461, 2580, 2618, 2656, 3116, 3213, 3343, 3637, 3824, 3841, 3843, 4396
LYMPHOSARCOMA: 448, 869, 1928, 2022, 2625, 3511, 4240
LYNESTRENOL: 344, 835, 2923, 3148, 3767
LYSERGIC ACID DIETHYLAMIDE: 423, 778, 2191
LYSINE: 1493, 3791
LYSINE VASOPRESSIN: 591, 2279, 3150, 4036, 4215
LYSOPHOSPHATIDYLCHOLINES: 4058
LYSOSOMES: 533, 867, 900, 1771, 2283, 2753, 3084, 3369, 3639, 3760, 4006

M

MACACA: 220, 1689, 2075, 2689, 2876, 4230
MACACA RADIATA: 220, 2976
MACROGLOSSIA: 286, 3914
MACROMOLECULAR SYSTEMS: 106, 195, 718, 1211, 1323–1324, 1606, 2402, 3153, 3160, 4081, 4346, 4362
MACROPHAGES: 66, 966, 1399, 1672, 1749, 2416, 2461, 3006, 3653, 4117, 4177, 4201
MACULAR DEGENERATION: 2293
MAGNESIUM: 294, 372, 377, 481, 623, 657, 713, 737, 854, 865, 879, 1015, 1018, 1052, 1085, 1157, 1255, 1280, 1352, 1379, 1386, 1454, 1489, 1752, 1774, 1982, 2020, 2188, 2212, 2223, 2232, 2295, 2404, 2575, 2583, 2598, 2725, 2794, 2922, 2982, 3170, 3210, 3273, 3279, 3327, 3624, 3638, 3764, 3863, 3877, 4081, 4203, 4206, 4226, 4286, 4346, 4357
MAGNESIUM SULFATE: 1218
MAGNETICS: 2185
MALABSORPTION SYNDROMES: 1914
MALATE DEHYDROGENASE: 1085, 2978
MALATES: 1085, 1872
MALEATES: 1255
MALEIMIDES: 1774
MALIGNANT CARCINOID SYNDROME: 3805
MALIGNANT HYPERTHERMIA: 3548
MALONDIALDEHYDE: 1122, 3252
MAMMAE: 253, 542, 663–664, 878, 995, 1089, 1106, 1226, 1423–1424, 1714, 1794, 1878, 2080, 2246, 2624, 2811–2812, 2983, 3443, 3632, 3668, 4194
MAMMALS: 3448, 3834, 3917
MAMMARY CANCER VIRUS: 2473, 3037, 3300–3301, 3739
MAMMARY NEOPLASMS, EXPERIMENTAL: 35, 270, 480, 659, 714, 817, 924, 995, 1024, 1050, 1150, 1353, 1519, 1579, 1794, 2247, 2473, 2475, 2812, 2881, 3061, 3067, 3739, 3963, 4090
MAMMOGRAPHY: 235
MANDELIC ACIDS: 21
MANDIBLE: 2168, 3809
MANDIBULAR DISEASES: 3358
MANDIBULAR FRACTURES: 1629
MANDIBULAR NEOPLASMS: 1629
MANEB: 1825
MANGANESE: 175, 657, 1489, 1649, 2020, 2177, 2232, 3119, 3496, 4203, 4372
MANNITOL: 63, 4341
MANNOHEPTULOSE: 1452
MANNOSE: 3401, 3743
MANNOSIDASES: 975
MAREK'S DISEASE: 2344
MAREK'S DISEASE VIRUS: 2344
MARMOSETS: 764
MARRIAGE: 1102
MARSUPIALIA: 2383
MASS FRAGMENTOGRAPHY: 160
MASS SCREENING: 1065, 1605, 1637, 2061, 2110, 2632, 2677
MAST CELLS: 984, 1393, 2606, 3064, 4189
MASTECTOMY: 2291, 3341
MASTICATION: 2826
MASTICATORY MUSCLES: 2826
MASTITIS: 3018
MASTOIDITIS: 3358
MASTURBATION: 489
MATERNAL AGE: 851, 1581, 1734, 2256, 4313
MATERNAL BEHAVIOR: 463, 794, 952, 1739
MATERNAL-FETAL EXCHANGE: 96, 524, 859, 1057, 1204, 1478, 1544, 1641, 1766, 1870, 2294, 2702, 2754, 2870, 3102, 3282, 3350, 3366, 3744, 3845
MATERNAL MORTALITY: 2979
MATHEMATICS: 106, 474, 785, 1379, 1446, 1888, 2216, 2269, 2917, 3345, 4134
MAXILLA: 1536–1537, 2220
MAXILLARY SINUS: 1961, 2152
MAXILLOFACIAL DEVELOPMENT: 838, 981, 1259
MAXIMAL EXPIRATORY FLOW RATE: 707
MAXIMUM PERMISSIBLE EXPOSURE LEVEL: 529
MEASLES: 2556
MEAT: 334, 3074
MECAMYLAMINE: 1304
MECHANORECEPTORS: 1638, 2076
MECHLORETHAMINE: 114, 679, 697, 1704, 2174, 3171, 3317, 3601
MECLASTINE: 2412
MECLOFENAMIC ACID: 3001
MEDAZEPAM: 412
MEDIAN EMINENCE: 157, 292, 506, 549, 796, 959, 972, 1025, 1173, 1295, 1476, 2032, 2049, 2146, 2175, 2365–2366, 2943, 3053, 3055, 3269, 3494, 3650, 3684, 4181, 4236
MEDIAN FOREBRAIN BUNDLE: 1108, 2594, 2728, 3484–3485
MEDIASTINAL DISEASES: 1795
MEDIASTINAL NEOPLASMS: 200, 976, 989, 2248, 3256
MEDIASTINUM: 272, 468, 1795, 3290
MEDICAL HISTORY TAKING: 523, 1588
MEDICAL RECORDS: 261
MEDICINE IN LITERATURE: 932, 2530
MEDICINE, ORIENTAL: 2186
MEDROXYPROGESTERONE: 909, 3025, 3099, 3627, 4419, 4421
MEDULLA OBLONGATA: 157, 625, 1347, 1776, 2075, 3305, 3460
MEDULLOBLASTOMA: 1492, 2157, 4115
MEGAKARYOCYTES: 1564
MEGESTROL: 1388
MEGLUMINE: 893
MEGLUMINE DIATRIZOATE: 3593
MEGLUMINE IOTHALAMATE: 3152
MEIGS' SYNDROME: 2376, 2954
MEIOSIS: 1090, 1368, 1557, 2434, 3076, 3996, 4274, 4332–4333
MELANINS: 3057, 3239, 4229
MELANOCYTES: 2918
MELANOMA: 1363, 1822, 1915, 2340, 2416, 2578, 2987, 4229
MELANOPHORES: 1402, 2918, 2965, 3537
MELATONIN: 1340, 1349, 1893, 2164, 3000, 3220, 3270, 3272, 3781, 4016, 4214, 4245
MELENGESTROL: 2528–2529
MELPHALAN: 54, 515, 1286, 2123, 2444, 3415, 3778
MEMBRANE LIPIDS: 1036, 1151, 2054, 3351, 3410, 3615, 3983, 4010, 4112
MEMBRANE POTENTIALS: 39, 443, 543, 598, 674, 980, 984, 1152, 1337, 1410, 1423–1424, 1513, 1528, 2035, 2216, 2362, 2594, 2659, 2826, 3008, 3063, 3120, 3525, 3683, 3941
MEMBRANE PROTEINS: 367, 573, 1279, 1284, 2149, 2618, 2853, 3177, 3488, 3543, 4199, 4291
MEMBRANES: 311, 343, 367, 423, 548, 822, 1036, 1489, 2223, 2998, 3030, 3168, 3607, 3683, 4010, 4398
MEMBRANES, ARTIFICIAL: 2139, 2216, 4397
MEMORY: 1373–1374, 2362, 2689, 3105
MEMORY DISORDERS: 720
MENARCHE: 1093, 3674
MENINGEAL NEOPLASMS: 306, 1800, 3657
MENINGIOMA: 306, 1800, 2867, 3657, 4115
MENINGITIS: 690, 2157, 3246
MENINGITIS, ASEPTIC: 2157
MENINGITIS, HAEMOPHILUS: 2252
MENINGITIS, PNEUMOCOCCAL: 2905
MENINGOCELE: 3322
MENINGOMYELOCELE: 605, 3663
MENOPAUSE: 74, 273, 782, 804, 977, 1105, 1338, 1757–1758, 1966, 2153, 2278, 2280, 2391, 2611, 2914, 3045, 3118, 3297, 3341, 3362, 3367, 3388, 3738, 3761, 3974, 4087, 4098, 4114, 4239, 4303, 4313, 4411, 4431
MENOTROPINS: 43, 328, 1172, 1200–1201, 1366, 1724, 1816, 2869, 3875, 4289
MENSTRUATION: 26, 189, 205, 385, 766, 768, 835, 851, 1172, 1391, 1734, 1827, 1877, 1966, 2018, 2287, 2326, 2454, 2517, 2571, 2644, 2692, 2724, 2897, 2923, 2928, 3091, 3208, 3298, 3321, 3339, 3377, 3449, 3483, 3498, 3541, 3706, 3892, 4048, 4313, 4419
MENSTRUATION DISORDERS: 26, 449, 1219, 2018, 2195, 3087, 3362, 3388, 3393, 3498, 3883, 3892, 4114
MENSTRUATION, FOLLICULAR PHASE: 4114
MENSTRUATION, LUTEAL PHASE: 4114
MENTAL DISORDERS: 733, 782, 1292, 1806, 2284, 2587, 2605
MENTAL PROCESSES: 1518, 2559
MENTAL RETARDATION: 76, 459, 572, 1672, 1974, 2487, 3416, 3499, 4413
MEPERIDINE: 3350
MEPHENYTOIN: 504
MEPHOBARBITAL: 504
MERCAPTOETHYLAMINES: 2117, 2502, 3714
MERCAPTOPURINE: 2708, 3257, 3265
MERCURY: 907, 1655, 2216, 2968, 3026
MESENCEPHALON: 110, 157, 354, 415, 671, 796, 1110, 1776, 2094, 2154, 2504, 2594, 2728, 2744, 3305, 3440, 3459, 3486, 3507, 3551, 4002
MESENTERIC ARTERIES: 16, 41, 138, 269, 1983
MESENTERIC VASCULAR OCCLUSION: 41
MESENTERIC VEINS: 269, 644
MESENTERY: 901
MESOCRICETUS: 408, 454, 507, 662, 1041, 4073, 4407
MESODERM: 68, 2838
MESOTHELIOMA: 596, 3511
MESTRANOL: 92, 344, 1315, 1353, 1388, 1827, 2391, 2532, 3526
METABOLIC CLEARANCE RATE: 1318, 1789, 1802, 2752, 3399, 3982, 4083, 4214, 4280
METABOLIC DISEASES: 537, 810, 929, 1102, 1104, 1571, 2609, 2749
METABOLISM: 1572, 2119, 2559, 3997, 4441
METACARPUS: 487, 804, 1095, 2144, 2850, 3846
METALLOPROTEINS: 3563
METALS: 70, 657, 865, 1447
METAMORPHOSIS, BIOLOGICAL: 3264, 3793
METAPHASE: 1090, 2779, 3842
METAPLASIA: 1929, 3286
METHACHOLINE COMPOUNDS: 1162, 3578
METHADONE: 229, 1887
METHALLIBURE: 677, 1959
METHAMPHETAMINE: 2420, 2823
METHANESULFONATES: 3593
METHEMOGLOBIN REDUCTASE: 926
METHERGOLINE: 423, 1143, 2412, 3219, 3305
METHICILLIN: 2040
METHIMAZOLE: 3678, 4195
METHIONINE: 109, 1673, 3891
METHIONINE ADENOSYLTRANSFERASE: 1072
METHIOTHEPIN: 423
METHODS: 52, 227, 267, 334, 398, 509, 517, 531, 636, 753, 764, 785, 843, 1001, 1009, 1101, 1244, 1270, 1321, 1324, 1329, 1340, 1342, 1351, 1400, 1403, 1425, 1504, 1542, 1576, 1599, 1611, 1613, 1636, 1642–1644, 1658, 1706, 1888, 1890, 1932, 1955, 2012, 2036, 2061, 2096, 2141, 2156, 2227, 2345, 2371, 2526, 2550, 2614, 2633, 2698, 2714, 2732, 2784, 2892, 2940, 2968, 2973, 3044, 3101, 3173, 3200, 3216, 3284, 3289, 3299, 3353, 3451, 3456, 3461, 3493, 3550, 3577, 3679, 3782, 3928, 4001, 4003, 4010, 4034, 4074, 4123, 4127, 4200, 4334, 4387–4389, 4391
METHOHEXITAL: 156, 785, 2190
METHOTREXATE: 448, 601, 1132, 1221, 1228, 1468, 2100, 2568, 2656, 2708, 3257, 3415, 3824, 4031, 4254, 4268
METHOXAMINE: 2445, 4251
METHOXSALEN: 1677
METHOXYHYDROXYPHENYLGLYCOL: 21
METHYL ETHERS: 105
METHYL MERCURY COMPOUNDS: 1655, 3789
METHYLATION: 108–109, 458, 1284, 3891
METHYLCHOLANTHRENE: 5
METHYLDOPA: 278, 1688
METHYLDOPAHYDRAZINE: 36, 1156, 1892
METHYLGLUCOSIDES: 3401
METHYLHISTAMINES: 3656

METHYLMANNOSIDES: 3401
METHYLNOREPINEPHRINE: 300
METHYLPREDNISOLONE: 6, 19, 218, 532, 947, 1009, 1192, 1339, 1372, 1381, 1506, 1596, 1627, 1647, 1840, 1861–1862, 1901, 1944, 1983, 2225, 2535, 2639, 2843–2844, 2905, 2937, 3462, 3671, 3960, 3986, 4101, 4272, 4444
METHYLTESTOSTERONE: 64, 3367, 4221
METHYLTHIOURACIL: 2231
METHYLTYROSINES: 300, 689, 1277, 2049, 2264, 3082
METHYSERGIDE: 1114, 1143, 1191, 1653, 1834, 2412, 2903, 4169
METIAMIDE: 206, 232, 2258, 4427, 4434
METOCLOPRAMIDE: 1103, 1209
METOPROLOL: 1197, 2372
METRIZAMIDE: 3719
METYRAPONE: 1001, 2859, 2988
MICE: 5, 8, 20–21, 23, 31, 34–35, 72, 111, 115, 242–243, 270, 303, 321, 326, 341, 405, 426, 484, 525, 610, 626, 663, 674, 683, 689, 691, 699, 723–724, 732, 750, 776, 907, 931, 952, 975, 995, 1012, 1034, 1044, 1049, 1082, 1090, 1127, 1140, 1161, 1207, 1226, 1246–1247, 1251, 1306, 1332, 1370, 1373, 1383, 1399, 1409, 1416, 1423–1424, 1464, 1513, 1521, 1593, 1619, 1630, 1665, 1672, 1674, 1784, 1804, 1822, 1878, 1918, 1934, 1938, 1949, 1978, 1986, 2027, 2043, 2102, 2117, 2145, 2197–2198, 2218, 2240, 2254, 2384, 2390, 2416, 2421–2422, 2473, 2481, 2483, 2502, 2516, 2544, 2562, 2564–2565, 2569, 2580, 2593, 2606, 2608, 2617, 2625, 2631, 2674, 2712, 2743, 2762, 2768, 2771, 2787, 2793, 2807, 2810–2812, 2816–2817, 2825, 2845, 2860, 2870, 2941, 2953, 2987, 3012, 3017, 3043, 3058, 3076, 3092–3093, 3100, 3105, 3115–3116, 3139, 3167, 3176, 3249–3250, 3258, 3265, 3293, 3370, 3381, 3411, 3437, 3452, 3490, 3501, 3564, 3579, 3609, 3650, 3668, 3694, 3714, 3732–3733, 3757, 3768, 3788, 3796, 3812, 3819, 3835, 3842, 3851–3852, 3864–3865, 3873, 3956, 3966, 3986, 4006, 4012, 4026, 4045, 4057, 4059, 4090, 4119, 4140, 4151, 4177, 4180, 4194, 4201, 4215, 4229, 4240, 4249, 4274, 4304, 4337, 4362, 4379, 4422
MICE, INBRED A: 20
MICE, INBRED AKR: 3370, 3812, 4379
MICE, INBRED BALB C: 20, 2473, 2502, 2580, 2625, 2941, 3139, 3757, 3812
MICE, INBRED CBA: 1593, 2117, 2145, 2197–2198, 2606, 3139, 3370, 3564, 4379
MICE, INBRED C3H: 270, 995, 1226, 2617, 2811, 3058, 3139, 4090
MICE, INBRED C57BL: 111, 426, 724, 1464, 1665, 2117, 2145, 2198, 2608, 2845, 2860, 3139, 3370, 3564, 3812, 4240, 4379
MICE, INBRED DBA: 3250, 3757
MICE, INBRED ICR: 732, 3956, 4304
MICE, INBRED NZB: 3250, 3757, 3864
MICE, INBRED STRAINS: 750, 1049, 1090, 1129, 1226, 1332, 1665, 1986, 3167, 3381, 3694, 4229, 4379
MICE, NUDE: 115, 2027, 3732–3733, 3819
MICE, OBESE: 2860
MICELLES: 542, 884
MICROBIAL SENSITIVITY TESTS: 4070
MICROCEPHALY: 459, 3558, 3744
MICROCHEMISTRY: 108, 1465, 1996, 2129
MICROCIRCULATION: 99, 308, 2077, 3500, 4037
MICROELECTRODES: 38
MICROFILAMENTS: 984, 1135, 3183
MICROINJECTIONS: 1988, 3752, 4036
MICROSCOPY, ELECTRON: 150, 216, 377, 475, 591, 608, 732, 771, 959, 1135, 1670, 1689, 1728, 1740, 1761, 2261, 2461, 2549, 2801, 2844, 2857, 2901, 3076, 3097, 3160, 3176, 3255, 3344, 3376, 3379, 3540, 3613, 3632, 3684, 3732, 4162, 4249
MICROSCOPY, ELECTRON, SCANNING: 321, 502, 744, 1135, 1848, 1895, 2595, 2805, 3386
MICROSCOPY, FLUORESCENCE: 347, 748, 1924, 2009, 2421, 3684, 4073, 4332
MICROSOMES: 79–80, 279, 322, 542, 584, 721, 922, 1241, 1434, 1508, 1697, 1738, 1767, 2000, 2105, 2188, 2433, 2474, 2736, 2782, 2840, 3168, 3252, 3295, 3326, 3582, 3607, 3611, 3644, 3801, 3888, 4311, 4337, 4380
MICROSOMES, LIVER: 655, 1036, 1474, 3267, 3572, 3743, 4010, 4015, 4147
MICROSPHERES: 825, 2185, 3124
MICROSURGERY: 1303, 1577, 2230, 3182, 3945–3946
MICROTUBULES: 426, 984, 2007, 3183, 3255, 3653, 3886
MICROVILLI: 475, 502, 897, 1098, 1135, 2857, 4165
MIDDLE AGE: 6–7, 9, 15, 22, 37, 49, 55–57, 61, 71, 81, 91–92, 105, 107, 116, 130, 156, 159, 164–165, 169–170, 185, 187, 191, 200, 205, 214, 219, 225, 235–237, 255, 265, 275–276, 288, 290, 295, 298–299, 310, 314, 317, 332–333, 357, 361, 366, 373, 376, 389, 391, 401–402, 414, 418, 428, 431, 433, 445, 455, 469, 496, 498, 500, 508, 515, 526–527, 536, 560, 563, 587, 590, 595, 600, 603, 613, 619, 622, 629, 641, 648, 650, 654, 657, 672, 676, 682, 690, 693, 703–704, 719, 722, 737, 739, 742–743, 746, 752, 754, 771, 774, 779, 782, 785, 791, 801–802, 804–805, 828–829, 862, 869, 879, 909, 911, 927, 939–940, 945, 955, 960, 971, 977–978, 986, 992, 999, 1001, 1031, 1038, 1048, 1069, 1080, 1092, 1095, 1101, 1112, 1123, 1132, 1135, 1143–1144, 1156, 1159, 1190, 1192, 1215, 1221, 1233, 1239, 1245, 1249, 1262, 1285, 1313, 1319, 1334–1335, 1338, 1344, 1351, 1355, 1363, 1393, 1401, 1405–1407, 1409, 1411, 1438, 1448, 1456, 1466, 1472–1473, 1509, 1533, 1538, 1566, 1569, 1574, 1596, 1600, 1602, 1618, 1626, 1633, 1639, 1652, 1654, 1663–1664, 1676, 1688, 1694–1695, 1702, 1704, 1711–1712, 1715–1716, 1721–1722, 1729, 1743, 1746, 1758, 1760, 1768, 1778, 1783–1784, 1790, 1795, 1800, 1804–1806, 1814, 1830, 1843, 1855–1857, 1862, 1866, 1879, 1892, 1897–1898, 1901, 1913, 1923, 1928, 1931, 1941, 1950, 1954–1955, 1961, 1966, 1968–1969, 1990, 2013, 2021, 2027–2028, 2038, 2040, 2046–2047, 2052, 2055, 2057, 2069, 2078, 2081–2082, 2090, 2104, 2122–2123, 2125–2126, 2128, 2138, 2140, 2153, 2158, 2171, 2174, 2179–2182, 2187, 2193, 2229–2230, 2261, 2268, 2271, 2275, 2280, 2284, 2291, 2300, 2302, 2304, 2310, 2323, 2325, 2335, 2353, 2364, 2372, 2376, 2381, 2388, 2391, 2395, 2399–2400, 2415, 2417–2418, 2423, 2431, 2441, 2443–2444, 2451–2452, 2454, 2461, 2480–2481, 2485, 2487–2488, 2491, 2494–2496, 2498, 2507, 2520, 2535–2536, 2540, 2546, 2551, 2557, 2568–2569, 2573, 2599, 2603, 2610, 2629, 2637, 2641, 2644–2646, 2648, 2675, 2678–2679, 2691–2692, 2695, 2700, 2706, 2717, 2726, 2730, 2733, 2747–2748, 2750, 2757, 2763, 2767, 2770, 2776–2777, 2790, 2800, 2829, 2855, 2859, 2863, 2865, 2888, 2897, 2909, 2914, 2922, 2931, 2936, 2939, 2944, 2949, 2951, 2954, 2960, 2967, 2971, 2974, 2981, 2985, 2991, 2997, 3002, 3020, 3024–3025, 3027, 3044, 3046, 3059–3060, 3065, 3075, 3081, 3101, 3104, 3107, 3110, 3118, 3121, 3171, 3173, 3209–3212, 3218, 3226, 3242, 3256, 3263, 3266, 3279, 3286, 3299, 3304, 3307, 3313, 3317, 3319, 3323, 3327, 3331, 3333, 3341, 3343, 3348, 3361, 3364, 3367, 3372, 3383, 3388, 3403, 3405, 3426, 3434, 3451, 3469, 3473, 3475, 3495, 3497, 3505, 3513–3514, 3527, 3533–3534, 3545, 3549, 3594–3595, 3600, 3613, 3617, 3637, 3647, 3657, 3666, 3673, 3681, 3693, 3698, 3701, 3718–3719, 3722, 3724, 3729, 3738, 3741, 3751, 3756, 3772, 3778, 3786, 3805–3806, 3816, 3825, 3828, 3843, 3853, 3856, 3859–3860, 3869, 3878, 3889, 3900, 3905, 3908, 3910, 3920, 3931, 3945, 3949–3950, 3954, 3958, 3964–3965, 3971, 3974, 3979, 3984, 3987–3988, 3993, 4024, 4031, 4035, 4038, 4042, 4044, 4047, 4071–4072, 4074, 4079, 4082–4083, 4085, 4098, 4104, 4110, 4113, 4115–4116, 4118, 4123–4124, 4126, 4152, 4163, 4172, 4191–4192, 4195, 4204, 4207, 4239, 4254, 4263, 4268, 4280, 4287, 4294, 4299, 4307, 4313, 4317, 4335, 4344, 4347, 4356, 4368, 4378, 4381, 4383, 4392–4393, 4395–4396, 4399, 4405, 4417, 4433
MIGRAINE: 1885, 2599
MIGRATION INHIBITORY FACTOR: 1790, 4117
MILK: 305, 444, 634, 747, 1266, 1317, 1655, 1750, 1869, 1964, 2034, 3443, 3686, 3762
MILK-ALKALI SYNDROME: 2920, 2932
MILK, HUMAN: 73, 186, 634, 1869, 2624, 3244, 3999, 4225, 4227, 4271
MINERALOCORTICOIDS: 461, 1128, 2387, 2775, 2927, 2944, 3008, 3397, 4258
MINERALS: 202, 310, 377, 804, 1338, 1572, 1785, 2020, 2088, 2496, 2936, 3218, 3640, 4387–4390
MINIMAL BRAIN DYSFUNCTION: 87
MINING: 4099
MINK: 426
MITE INFESTATIONS: 1121
MITHRAMYCIN: 743, 2932, 4079
MITOCHONDRIA: 175, 367, 464, 721, 868, 1157, 1230, 1267, 1283, 1745, 1767, 1872, 1931, 2263, 2433, 2518, 2570, 3155, 3255, 3639, 3644, 3683, 3814, 3896, 4107, 4256
MITOCHONDRIA, HEART: 608, 1241, 1408, 2449, 2843, 3813, 4290
MITOCHONDRIA, LIVER: 39, 181, 852, 1978, 2070, 2273, 2978, 3030, 3119, 3278, 3410, 3471, 3813, 4106
MITOCHONDRIA, MUSCLE: 244, 1395, 3566, 4162
MITOCHONDRIAL SWELLING: 868
MITOGENS: 539, 723, 746, 1992, 2792, 3035, 3154, 3384, 3722
MITOMYCIN: 2192
MITOSIS: 686, 744, 889, 1012, 1090, 1480–1481, 1761, 1951, 2192, 2347, 2457, 2817, 2822, 2917, 3062, 3227, 3633, 3834, 4259
MITOTANE: 2160, 2836, 3254
MITOTIC INDEX: 90, 686, 2917
MITRAL VALVE: 3889
MIXED FUNCTION OXIDASES: 1220, 1767
MMPI: 945
MODELS, BIOLOGICAL: 204, 301, 645, 696, 726, 1070, 1122, 1253, 1289, 1377, 1507, 1528, 1550, 1585, 1598, 1742, 1934, 2139, 2269, 2319, 2411, 2796, 2978, 3008, 3107, 3150, 3264, 3353, 3517, 3653, 3739, 3834, 4132, 4301
MODELS, NEUROLOGICAL: 89, 921, 1117, 1476, 1893, 2362, 3183, 3206, 3448, 4032
MODELS, PSYCHOLOGICAL: 2519
MODELS, STRUCTURAL: 81, 308, 2930
MODELS, THEORETICAL: 4134
MOLAR: 1629
MOLECULAR BIOLOGY: 2119
MOLECULAR CONFORMATION: 353, 534, 996, 1796, 2054, 2139, 2298, 2384, 3576, 4001, 4212–4213
MOLECULAR MODELS: 884, 996, 2254
MOLECULAR WEIGHT: 106, 153, 365, 559, 718, 946, 1270, 1274, 1323, 1511, 1723, 1725, 1860, 1878, 1975, 2071, 2080, 2402, 2426, 2668, 2878, 2883, 2935, 2973, 2980, 3153, 3160, 3229, 3262, 3354, 3395, 3438, 3443, 3555, 3624, 3691, 3872, 4142, 4343, 4362, 4409
MOLLUSCA: 120, 1447, 1604
MOLYBDENUM: 1185
MONGOLOID RACE: 273, 2909, 3107
MONILIASIS: 1355, 3180, 4080
MONILIASIS, ORAL: 2556, 2651
MONITORING, PHYSIOLOGIC: 606, 1037, 2710, 3929
MONKEY DISEASES: 1689
MONKEYS: 48, 72, 122, 220, 222, 249, 424, 484, 638, 764, 892, 972, 1029, 1196, 1213, 1247, 1306, 1388, 1669, 1674, 1689, 1885, 1938, 1992, 2075, 2422, 2689, 2876, 2976, 2993, 3084, 3130, 3189, 3225, 3483, 3576, 3636, 3650, 3768, 3967, 4002, 4012, 4075, 4230, 4322, 4341
MONOAMINE OXIDASE: 124, 176, 257, 733, 821, 1041, 1129, 1199, 1393, 1561, 1586, 1622, 2449, 3873, 3891
MONOAMINE OXIDASE INHIBITORS: 997, 1041, 1267, 2254, 2449, 3167, 3278, 3951, 4136
MONOCYTES: 2091, 2642, 2913, 3592, 4061
MORPHINE: 14, 674, 870, 1555, 2218, 2369, 2690, 2840, 3507, 3748, 3873, 4002
MORPHOCYCLINE: 2215
MORPHOGENESIS: 860, 1523, 4039
MORTALITY: 1843, 3188
MOSAICISM: 375, 637, 3408, 3742
MOTILIN: 3157, 3810
MOTION: 2464
MOTIVATION: 546, 1642, 3113, 3440
MOTOR ACTIVITY: 415, 756, 1587, 2059, 2116, 2281, 2547, 2660–2661, 2816, 2962, 3359, 3412, 3482, 3699, 4353
MOTOR CORTEX: 2154
MOTOR ENDPLATE: 662, 3566
MOTOR NEURONS: 2826
MOTOR SKILLS: 785, 2458, 2544, 3416
MOTTLED ENAMEL: 1502
MOUNTAINEERING: 477
MOUSE SARCOMA VIRUS: 150
MOUTH: 3114

MOUTH, EDENTULOUS: 2851
MOUTH MUCOSA: 437, 2851
MOUTH NEOPLASMS: 541, 986
MOVEMENT: 2404, 4360
MOVEMENT DISORDERS: 495
MSH: 172, 217, 234, 420, 441, 604, 974, 1182–1183, 1402, 1513, 1867, 2148, 2271, 2340, 2365, 2426, 2509, 2740, 2918, 2963, 2965, 3057, 3082–3083, 3262, 3537, 3645, 3821, 3872, 3916–3918, 3939–3940, 3980, 4076, 4109, 4153, 4367
MSH RELEASE INHIBITING HORMONE: 604, 974, 1402, 3940
MSH RELEASING HORMONE: 604, 1402, 3940
MUCIN: 3132, 3291
MUCOCELE: 1743, 4242
MUCOCUTANEOUS LYMPH NODE SYNDROME: 1113
MUCOPOLYSACCHARIDES: 2077, 2529
MUCORMYCOSIS: 1840
MUCOUS MEMBRANE: 1848, 3291
MUCUS: 1848, 3878
MUD THERAPY: 1404
MULLERIAN DUCTS: 421, 3296, 3527, 4146, 4190
MULTIPLE MYELOMA: 54, 515, 774, 2078, 2123, 3415, 3658, 4264
MULTIPLE SCLEROSIS: 2265, 2865, 3246, 3546
MUMMIES: 2305
MUMPS: 514
MURAMIDASE: 1255, 3592
MUSCLE CONTRACTION: 14, 60, 83, 543, 614, 626, 757, 783, 933, 1094, 1100, 1186, 1386, 1571, 1703, 1773, 1852, 1970, 2076, 2254, 2298, 2683, 2911, 3156, 3194, 3285, 3312, 3355, 3417, 3472, 3836, 3848, 3854, 3876, 4189, 4241, 4337, 4407
MUSCLE DENERVATION: 3696
MUSCLE PROTEINS: 244, 1774, 1886, 2295, 2837, 3194, 3624, 4027, 4130
MUSCLE RELAXANTS, CENTRAL: 2772
MUSCLE RELAXATION: 933, 3848, 3876
MUSCLE, SMOOTH: 67, 83, 168, 381, 545, 592, 626, 783, 933, 1056, 1186, 1386, 1455, 1512, 1708, 1773, 1920, 1970, 2169, 2254, 2298, 2445, 2683, 2705, 2879, 2911, 3156, 3285, 3355, 3561, 3614, 3643, 3648, 3848, 3876, 4143–4144, 4189, 4241, 4311, 4337, 4357, 4407
MUSCLE SPASTICITY: 2865
MUSCLE TONUS: 83, 2598, 2705, 2865, 3648, 4357
MUSCLES: 36, 98, 127, 131, 244, 414, 541, 757, 831, 900, 991, 1067, 1100, 1290–1291, 1359, 1379, 1395, 1447, 1464, 1547, 1661, 1700, 1726, 1821, 1866, 2019, 2076, 2223, 2442, 2456, 2583, 2602, 2734, 2756, 2838, 2864, 2873, 2958, 3186, 3194, 3260, 3312, 3334, 3364, 3521, 3543, 3566, 3752, 3854, 3863, 4039, 4066, 4130, 4162, 4288, 4346
MUSCULAR DISEASES: 184, 414, 2447, 2556, 2749, 2828, 3186, 3312, 4024
MUSCULAR DYSTROPHY: 116, 1042, 1573, 1990, 2019, 4291
MUSCULAR DYSTROPHY, ANIMAL: 1978, 2223
MUSSELS: 2595
MUTAGENS: 184, 1909, 3213, 3560
MUTATION: 572, 1042, 1387, 1523, 1690, 1945, 2270, 2518, 2618, 2833, 3213, 3547, 3560, 3880, 4008, 4274, 4426
MYASTHENIA GRAVIS: 112, 435, 1291, 2069, 2126, 2460
MYCOBACTERIUM LEPRAE: 341, 899
MYCOSES: 1844, 2095
MYCOSIS FUNGOIDES: 411
MYDRIATICS: 1709, 2384
MYELOBLASTOSIS VIRUS, AVIAN: 195
MYELOFIBROSIS: 1047, 1306
MYELOGRAPHY: 793, 1351, 3719
MYELOID METAPLASIA: 793, 3701
MYELOMA PROTEINS: 54
MYELOPEROXIDASE: 3760
MYELOPROLIFERATIVE DISORDERS: 1505, 3213
MYENTERIC PLEXUS: 14, 1268, 4318
MYOCARDIAL CONTRACTION: 59, 218, 234, 532, 649, 1174–1175, 1208–1209, 1241, 1596, 1653, 2193, 2358, 2385, 2598, 2602, 2639–2640, 2766, 2844, 2990, 3477, 3523, 3687, 3740, 3836, 4129, 4290, 4328, 4372
MYOCARDIAL DEPRESSANT FACTOR: 3720
MYOCARDIAL DISEASES, SECONDARY: 1759
MYOCARDIAL INFARCT: 265, 497, 532, 1227, 1596, 2985, 3118, 3698, 3779, 4087, 4217–4218, 4220
MYOCARDITIS: 1404
MYOCARDIUM: 29, 59, 61, 218, 313, 323, 339, 350, 533, 578, 585, 608, 657, 761–762, 821, 900, 1015, 1067, 1100, 1129, 1175–1176, 1241, 1302, 1381, 1547, 1653, 1727, 1756, 1759, 1797, 1967, 2003, 2149, 2264, 2338, 2344, 2385, 2402, 2429, 2456, 2476, 2598, 2602, 2673, 2837, 2844, 2864, 3164, 3278, 3334, 3359, 3477, 3624, 3720, 3740, 3806, 3836, 4037, 4097, 4121, 4129, 4220, 4251, 4297, 4312, 4328, 4372
MYOFIBRILS: 578, 1100, 3176, 3566, 4162, 4312
MYOGLOBIN: 844, 2795
MYOMETRIUM: 240, 784, 1842, 2149
MYOPIA: 3141
MYOSIN: 2948, 3160, 3229, 4203, 4312
MYOSITIS: 680
MYOSITIS OSSIFICANS: 4039
MYXEDEMA: 132, 236–237, 298, 2408, 3060, 3938, 4038
MYXOMA: 3132
MYXOMYCETES: 726, 1326, 1377, 2512, 2582, 2783, 3229

N

NAD: 484, 593, 2657–2658, 3683, 3933
NADH, NADPH OXIDOREDUCTASES: 926
NADP: 1220, 2736, 3683, 3933
NADPH CYTOCHROME C REDUCTASE: 279, 892
NAFOXIDINE: 700, 1170, 3756
NAILS: 648
NAILS, MALFORMED: 4314
NALOXONE: 1555, 1684, 1773, 2369, 2690
NALTREXONE: 2690
NANDROLONE: 70, 1161, 4221
NAPHAZOLINE: 646
NAPHTHALENES: 1774, 2613
NAPHTHALENESULFONATES: 3471
NAPHTHOLS: 858
NAPROXEN: 1979
NARCOTIC ANTAGONISTS: 3703
NARCOTICS: 1575, 1588
NASAL CAVITY: 1961
NASAL MUCOSA: 2805, 3358, 3946
NASAL POLYPS: 2805
NASAL SEPTUM: 1961, 2685, 3946
NASOLACRIMAL DUCT: 535
NASOPHARYNGEAL NEOPLASMS: 465, 1245, 1542, 2506, 2677
NASOPHARYNX: 2506
NATRIURESIS: 308–309, 373, 461, 894, 941, 1069–1070, 1128, 1687, 2190, 2264, 2387, 2752, 3162, 3276, 3840, 4270, 4382
NATURAL CHILDBIRTH: 1736
NAUSEA: 1829
NBD CHLORIDE: 4081
NECK: 213, 1524, 2377, 2656, 3949
NECROSIS: 774, 883, 1761, 2170, 2986, 4220, 4255
NEGROID RACE: 673, 2773, 2931, 4396
NELSON SYNDROME: 883, 2717, 3262, 3612, 3871–3872
NEOMYCIN: 1121
NEOPLASM INVASIVENESS: 71, 1558, 2992, 3676, 4430
NEOPLASM METASTASIS: 9, 71, 165, 235, 306, 316, 388, 428, 430, 475, 498, 563, 613, 629, 679, 789, 874, 955, 1031, 1038, 1158, 1221, 1244–1245, 1286, 1350–1351, 1363, 1401, 1442, 1448, 1500, 1566, 1668, 1680, 1689, 1800, 1856, 2022, 2046–2047, 2140, 2151, 2248, 2262, 2278, 2291, 2304, 2348, 2364, 2399, 2407, 2435, 2444, 2446, 2492, 2515, 2520, 2601, 2726, 2762, 2863, 3025, 3044, 3103, 3204, 3241, 3331, 3333, 3343, 3390, 3511, 3618, 3673, 3719, 3756, 3808, 3920, 3964, 3984, 4022, 4031, 4052, 4125, 4192, 4295, 4438
NEOPLASM PROTEINS: 1006, 1850, 2100, 2140, 2414, 3948, 4125
NEOPLASM RECURRENCE, LOCAL: 883, 1329, 1704, 2085, 2130, 2310, 3175, 3756, 3777, 3808, 4262
NEOPLASM REGRESSION, SPONTANEOUS: 659, 1353, 2247, 2435
NEOPLASM STAGING: 154, 430, 552, 789, 1558, 1704, 3290, 3534, 3841, 4295
NEOPLASM TRANSPLANTATION: 35, 420, 714, 2027, 2117, 2247, 3058, 3086
NEOPLASMS: 66, 69, 74, 265, 316, 388, 390, 397, 402, 411, 491, 629, 743, 882, 920, 983, 1089, 1211, 1254, 1292, 1314, 1406, 1491, 1501, 1846, 1915, 2055, 2152, 2257, 2301, 2393, 2414, 2618, 2677, 2755, 2932, 3035, 3213, 3231, 3309, 3549, 3824, 3871, 4086, 4123, 4126, 4149, 4423, 4443, 4445
NEOPLASMS, EMBRYONAL AND MIXED: 1350, 3256, 3287, 4396
NEOPLASMS, EXPERIMENTAL: 420, 529, 674, 714, 1500, 1519, 1822, 1846, 1850, 1891, 2027, 2340, 2416, 2578, 2580, 2625, 2762, 2895, 3058, 3061, 3086, 3397, 3519, 4105, 4229, 4240
NEOPLASMS, MULTIPLE PRIMARY: 428, 432, 986, 1078, 1329, 1948, 1954, 2014, 2446, 2451, 2520, 3618, 3808, 3847, 3949, 4161
NEOPLASMS, NERVOUS TISSUE: 3120
NEOPLASMS, RADIATION-INDUCED: 714, 1247, 1382, 2618, 2677, 2695, 3475, 3510, 3825, 3949, 4033
NEOPLASTIC ENDOCRINE-LIKE SYNDROMES: 1334, 1859, 2062, 2257, 2871, 3213
NEPHRECTOMY: 197, 589, 928, 992, 1139, 1962, 1989, 2206, 2301, 2701, 3375, 4013, 4131, 4272
NEPHRITIS: 1236, 1360, 2436
NEPHRITIS, INTERSTITIAL: 2436
NEPHROBLASTOMA: 1501, 2786, 3287, 3605
NEPHRONS: 610, 618, 985, 1155, 1446, 3008, 3330
NEPHROSCLEROSIS: 373, 1769
NEPHROSIS: 3710
NEPHROSIS, LIPOID: 949, 2730
NEPHROTIC SYNDROME: 84, 1343, 2436, 2730, 3330, 3991
NERVE COMPRESSION SYNDROMES: 1578
NERVE DEGENERATION: 1917, 3486, 4028
NERVE ENDINGS: 915, 1184, 1357, 2631, 3055, 3228
NERVE FIBERS: 300, 1108–1109, 1184, 2035, 3302, 3768, 4028
NERVE GROWTH FACTOR: 1274, 1370, 2375, 2631, 2835, 2877, 2901, 3120, 3525, 3759, 4168, 4362, 4364
NERVE REGENERATION: 3120, 3559
NERVE TISSUE PROTEIN S 100: 3120
NERVE TISSUE PROTEINS: 795, 1606, 2292, 2362, 2753, 3120, 3183, 4032, 4067, 4142
NERVOUS SYSTEM: 61, 1661, 3448, 3520, 3670
NERVOUS SYSTEM DISEASES: 495, 1292, 2394, 2739, 3246
NESTING BEHAVIOR: 794, 2471
NEURAL CONDUCTION: 38, 674, 754, 1384, 2939, 4032
NEURAL INHIBITION: 178, 614, 1486, 2544, 2826, 3535, 3670, 4002, 4009, 4261
NEURAL PATHWAYS: 155, 157, 354, 1062, 1109–1110, 1799, 1831, 1991, 2009, 2075, 2448, 2503–2504, 2544, 2586, 3459, 3535, 3940
NEURAL TRANSMISSION: 772, 1440, 1486, 2009, 2901, 2903, 3082, 3748, 3939, 3983
NEURAMINIDASE: 1271, 1723, 3818
NEURILEMMOMA: 3719
NEUROBLASTOMA: 674, 874, 2224, 3183, 3292–3293, 4022
NEUROCIRCULATORY ASTHENIA: 1371
NEUROEFFECTOR JUNCTION: 1357
NEUROFIBROMATOSIS: 3213
NEUROGLIA: 1280, 1439, 2375, 2884, 3120, 3286, 3494, 3521
NEUROHUMORS: 485, 674, 1094, 1272, 1410, 1513, 1604, 1893, 2519, 2800, 2877, 3120, 3139, 3467, 3521, 3652, 3654, 3795, 4032
NEUROLEPTOANALGESIA: 4091
NEUROLOGIC MANIFESTATIONS: 754
NEUROMUSCULAR DEPOLARIZING AGENTS: 372
NEUROMUSCULAR DISEASES: 746, 3548, 3566
NEUROMUSCULAR JUNCTION: 435, 662, 674, 1410, 1440, 1661, 3893
NEURONS: 38, 225, 362, 372, 443, 506, 625, 772, 796, 921, 979–980, 1062, 1075, 1094, 1110, 1130, 1173, 1209, 1272, 1277, 1280, 1357, 1476, 1674, 1681, 1831, 1999, 2362, 2375, 2420, 2472, 2529, 2594, 2631, 2727–2728, 2746, 2764, 2835, 2961,

3053, 3072, 3120, 3135, 3183, 3196, 3221, 3293, 3305, 3525, 3650, 3699, 3780, 3795, 3941, 3966, 4135, 4168, 4182, 4236
NEURONS, AFFERENT: 356, 1991, 2076, 2173
NEURONS, EFFERENT: 1991, 2173
NEUROPHYSINS: 1364, 1681, 1971, 2314, 2627, 3066, 4181
NEUROSECRETION: 413, 1287, 1440, 1561, 2529, 2753, 3066, 3644
NEUROSECRETORY SYSTEMS: 443, 549, 1288, 1390, 1431, 1681, 2403, 3066, 3659
NEUROSES: 1171
NEUROSES, ANXIETY: 2415
NEUTRONS: 714, 1521
NEUTROPENIA: 3922, 4195
NEUTROPHILS: 426, 1313, 1771, 2111, 2913, 3760, 4195
NEVUS: 986, 3880
NEVUS, PIGMENTED: 4314
NEWCASTLE DISEASE VIRUS: 3788, 4355
NEWTS: 421, 2938
NIALAMIDE: 2919
NICKEL: 38
NICOTINAMIDE: 3790
NICOTINE: 620, 1186, 2339, 2365–2366, 2684, 4243
NICOTINIC ACIDS: 740, 832, 4017
NICOTINYL ALCOHOL: 3513
NICTITATING MEMBRANE: 1852
NIDATION: 113, 1309, 2390, 2915, 3012, 3249, 3356, 3417, 4012
NIDATION, DELAYED: 396, 3356
NIPPLES: 1948
NITRATES: 1490, 3260
NITRIC OXIDE: 2795
NITRITES: 233
NITRO COMPOUNDS: 1947, 2795, 2976
NITROBENZOATES: 4203
NITROBLUE TETRAZOLIUM: 84, 1719
NITROFURAZONE: 1407, 4368
NITROGEN: 266, 810, 1362
NITROGEN MUSTARD COMPOUNDS: 361, 874, 1558, 4295
NITROPHENOLS: 4015
NITROPHENYL PHOSPHATASE: 4000
NITROPRUSSIDE: 2, 381, 647, 914, 1054, 2169, 2795, 3230, 4409
NITROSAMINES: 2416
NITROSOUREA COMPOUNDS: 54, 3171
NOBEL PRIZE: 1482, 1484, 2004, 3479–3480, 4319, 4321, 4338
NOCARDIA: 2309, 2812, 3512
NOCARDIA INFECTIONS: 2308
NOCICEPTORS: 1374, 2076
NOISE: 4099
NOMENCLATURE: 237, 1990, 2675, 3723
NOMIFENSINE: 858
NONACTIN: 4397
NONSUPPRESSIBLE INSULIN-LIKE ACTIVITY: 3759
NOREPINEPHRINE: 21, 40, 60, 167, 234, 297, 300, 313, 347, 352, 373, 425, 458, 497, 625, 665, 689, 734, 776, 796, 799, 821, 825, 915, 1000, 1003, 1030, 1060, 1080, 1108–1109, 1129, 1169, 1223, 1230, 1290, 1295, 1316, 1347, 1459, 1516, 1582, 1587, 1622, 1638, 1812, 1830, 1833, 1849, 1852, 1867, 1885, 1893, 1908, 1916, 1920, 1948, 1987, 2009, 2049, 2058, 2120, 2198, 2208, 2264, 2270, 2289, 2321, 2336, 2349, 2384, 2439, 2445, 2480, 2510, 2519, 2683, 2686, 2727, 2738, 2751, 2823, 2860, 2887, 2898, 2910–2911, 3042, 3079, 3124, 3135, 3149, 3206, 3305, 3359, 3429, 3459–3460, 3530, 3586–3587, 3622, 3629, 3654, 3740, 3780, 3820, 3876, 4036, 4057, 4084, 4094, 4182–4183, 4197, 4205, 4241, 4245, 4251, 4310
NORETHINDRONE: 528, 575, 1058, 1315, 1388, 1827, 2635, 3325, 4419
NORETHYNODREL: 92, 3930
NORGESTREL: 92, 528, 982, 1353, 1388, 1747, 2724, 2897, 3298, 3697, 3735
NORLEUCINE: 195
NORMAL VALUES: 24, 402, 551, 805, 862, 2018, 2217, 2328, 2368, 3111, 3894
NORMETANEPHRINE: 21, 665, 1030, 3622
NORPREGNADIENES: 1353, 1888
NORPREGNATRIENES: 251, 1428
NORSYNEPHRINE: 644, 1094
NOSE: 286, 2012
NOSE DISEASES: 1961, 3358
NOSE NEOPLASMS: 349
NUCLEAR MAGNETIC RESONANCE: 233, 913, 1868, 3260, 3576
NUCLEAR MEDICINE: 397
NUCLEAR MEMBRANE: 1230
NUCLEIC ACID HYBRIDIZATION: 749, 1091, 1714, 2299, 3036–3037
NUCLEOPROTEINS: 91, 1477, 3169, 3217, 3501, 4364
NUCLEOSIDE DEAMINASES: 3532, 4361
NUCLEOTIDASES: 302, 784, 3228, 4000, 4398
NUCLEOTIDES: 758, 2312
NUCLEOTIDES, CYCLIC: 384, 533, 1332, 1480, 2194, 2196–2197, 2212, 2795, 2896, 3006, 3079, 3432, 3758, 4188
NUCLEOTIDYLTRANSFERASES: 2642
NUCLEUS ACCUMBENS: 1276, 2120
NURSE-PATIENT RELATIONS: 3771
NUTRITION: 1519, 1734, 2119, 2755, 2771, 3034, 3048, 3509, 3954
NUTRITION DISORDERS: 479, 1422, 1544, 1734, 2178, 3437, 3954
NUTRITIONAL REQUIREMENTS: 800, 3034, 3048, 3954, 3997, 4187, 4225, 4278
NYCTALOPIA: 3141
NYSTAGMUS: 2931

O

OBESITY: 226, 398, 546, 737, 798–799, 830, 1297, 1328, 1422, 2030, 2088, 2106, 2460, 2498, 2589, 2884, 3137, 3308
OBJECT RELATIONSHIP: 3416
OBSTETRICS: 2615
OCCIPITAL LOBE: 1072
OCCUPATIONAL DERMATITIS: 4446
OCCUPATIONAL DISEASES: 26, 56, 496, 693, 2677, 3826, 4033, 4099, 4149, 4350
OCCUPATIONS: 3007
OCHRATOXINS: 192, 3052
OCHRONOSIS: 2305
OCULOMOTOR MUSCLES: 1411, 1990
OCULOMOTOR NERVE: 256
OCULOMOTOR PARALYSIS: 1456, 1627, 1884, 3180, 3987, 4374
ODONTOBLASTS: 1537
ODONTOGENIC TUMOR: 2014
ODONTOMA: 432
ODONTOMETRY: 981, 3538
ODORS: 258
OILS: 262, 1066, 3740
OINTMENTS: 25, 64, 801, 1425, 1823, 2890, 3348, 4216
OLEIC ACIDS: 4070
OLFACTORY BULB: 544, 547, 1108, 2120, 2519, 3459, 4236
OLFACTORY NERVE: 1108, 1661
OLFACTORY PATHWAYS: 1108
OLIGODENDROGLIA: 3120, 3494
OLIGOMENORRHEA: 4289
OLIGOMYCIN: 1241, 2263
OLIGONUCLEOTIDES: 559, 1625
OLIGOPEPTIDES: 604, 1653, 1993, 2701, 3326, 3794, 3976
OLIGOSACCHARIDES: 2440, 3326, 3690, 3743
OLIGOSPERMIA: 1657, 1660, 2567, 3073, 4350
OLIGURIA: 319
ONCOGENIC VIRUSES: 1846, 2618
ONCOLYSIS: 2881
ONIUM COMPOUNDS: 4070
ONTOGENY: 5, 1053, 2894, 3359, 3670
OOCYTES: 447, 555, 1368, 1390, 1530, 1557, 1594, 1826, 1894, 2434, 2875, 2883, 3247, 3732, 3830, 3996
OOGENESIS: 336, 447, 2878, 3247
OOGONIA: 1557
OOMYCETES: 559
OPERON: 1289
OPHTHALMIA: 4400
OPHTHALMIC ARTERY: 3451
OPHTHALMIC SOLUTIONS: 953, 1709, 2798
OPIUM: 73, 3703, 4043
OPSONINS: 1397, 4195
OPTIC ATROPHY: 386, 2052
OPTIC CHIASM: 450, 1578, 2302
OPTIC DISK: 343
OPTIC NERVE: 1487, 1492, 2300, 3046, 3302, 3927
OPTIC NERVE DISEASES: 3987, 4294
OPTIC NEURITIS: 1055
OPTICAL ROTATION: 645
OPTICAL ROTATORY DISPERSION: 913
ORAL MANIFESTATIONS: 1629, 2556, 4365
ORBIT: 249, 465, 869, 1238, 1257, 1524, 1569, 1844, 2506, 2854, 3657, 3987
ORBITAL NEOPLASMS: 869, 2022, 2078, 2992
ORCIPRENALINE: 3303, 3497, 4186
ORGAN CULTURE: 172, 421, 441, 730, 898, 1691, 2722, 2898, 2940, 3563, 3865
ORGAN PRESERVATION: 424, 2322, 4200
ORGAN SPECIFICITY: 610, 1455, 2296, 2375, 2734, 3586
ORGAN WEIGHT: 163, 177, 211–212, 283, 303, 370, 490, 658, 686, 759–760, 795, 840, 845, 1024, 1066, 1076, 1137, 1159, 1204, 1383, 1415, 1418, 1445, 1521, 1547, 1619, 1818, 1942, 2219, 2454, 2467, 2516, 2522, 2593, 2688, 2720, 2729, 2737, 2743, 2777, 2846, 2930, 3043, 3122, 3181, 3220, 3249, 3272, 3359, 3366, 3406, 3409, 3580, 3641, 3668, 3717, 3916, 3919, 4014, 4027, 4156, 4218, 4224, 4281
ORGANIZATION AND ADMINISTRATION : 875
ORGANOIDS: 77, 681, 1728, 2753, 2801, 3354
ORGANOPHOSPHORUS COMPOUNDS: 728, 1754, 4070
ORIENTATION: 2164, 3193, 4010
ORNITHINE: 4348
ORNITHINE CARBAMOYLTRANSFERASE: 995
ORNITHINE DECARBOXYLASE: 539, 1619, 2351
ORTHOMYXOVIRUSES: 3167
ORTHOMYXOVIRUSES TYPE A: 3788
ORTHOPEDICS: 1427
OSGOOD-SCHLATTER DISEASE: 1429
OSMOLAR CONCENTRATION: 262, 294, 438, 638, 1269, 1528, 1631, 1685, 2028, 2469, 2713, 3097, 3115, 3226, 3280, 3351, 3508, 3598, 3603, 3972, 4163, 4168, 4293, 4327, 4348
OSMOSIS: 2, 3162, 3737
OSMOTIC PRESSURE: 294, 559, 1073, 3683, 4135
OSSIFICATION, PHYSIOLOGIC: 931, 1217, 2876, 3894, 3913
OSTEITIS DEFORMANS: 74, 335, 617, 1768, 2459, 2760, 4079
OSTEITIS FIBROSA CYSTICA: 719, 2760
OSTEOARTHRITIS: 472, 1400, 4089
OSTEOARTHROPATHY, SECONDARY HYPERTROPHIC: 648, 3979
OSTEOBLASTS: 730, 931, 1550, 3070
OSTEOCHONDRITIS: 1429
OSTEOCLASTS: 730, 931, 1691, 3070, 3231
OSTEOCYTES: 2168
OSTEOGENESIS: 307, 931, 2130, 2553, 3952
OSTEOGENESIS IMPERFECTA: 345, 725, 2103, 3047, 3166, 3416, 4425
OSTEOLYSIS: 158, 1629
OSTEOLYSIS, ESSENTIAL: 1741
OSTEOMA: 432, 2014
OSTEOMA, OSTEOID: 2130
OSTEOMALACIA: 97, 337, 414, 432, 439, 617, 719, 737, 823, 880, 1549, 1552, 1914, 2325, 2487, 2489, 2936, 3210, 3715, 3741, 3910, 4424
OSTEOMYELITIS: 135, 1203, 2419, 2485, 2984, 3594
OSTEOPETROSIS: 195–196, 291, 2667, 2924, 3912
OSTEOPOROSIS: 74, 135, 158, 307, 418, 617, 648, 739, 1105, 1389, 1466, 1974, 2046, 2220, 2389, 2391, 2487, 2553, 2576, 2794, 2851, 3045, 3263, 3297, 3954, 3974, 4411, 4424, 4431, 4433
OSTEOSCLEROSIS: 1974
OSTEOTOMY: 345, 1650
OTOSCLEROSIS: 2215
OUABAIN: 351, 372, 776, 1015, 1280, 2050, 2847, 2982, 3273, 3553, 3644, 4097, 4328, 4372
OUTPATIENT CLINICS, HOSPITAL: 4303
OVALBUMIN: 3021, 3037
OVARIAN CYSTS: 258, 288, 888, 1071, 1195, 1426, 1649, 1675, 1743, 1755, 2015, 2101, 2599, 3022, 3240, 3979, 4393
OVARIAN DISEASES: 3, 288, 387, 453, 1093, 1737, 2086, 2316–2317, 2398, 2664, 2714, 4069, 4155
OVARIAN FUNCTION TESTS: 10, 1219
OVARIAN NEOPLASMS: 46, 71, 76, 88, 117, 159, 235, 245, 254, 265, 288, 290, 295, 388–389, 428, 493, 508–509, 571, 600, 603, 613, 629, 752,

819, 910, 955, 1031, 1038, 1049, 1135, 1189, 1233, 1330, 1401, 1406, 1433, 1448, 1519, 1566, 1664, 1689, 1729, 1786, 1843, 1915, 1954, 2158, 2345, 2376, 2416, 2444, 2451, 2515, 2625, 2732, 2856, 2970, 3061, 3086, 3132, 3147, 3172, 3175, 3209, 3240, 3242, 3309, 3322, 3390, 3415, 3473, 3534, 3545, 3567, 3805, 4040, 4068, 4128, 4235, 4299, 4438
OVARY: 26, 47, 148, 161, 177, 179, 220, 254, 270, 288, 303, 336, 387, 389, 406–407, 453, 498, 507, 555, 583, 677, 691, 695, 714, 760, 809, 815, 836, 845–846, 893, 907, 973, 1024, 1219, 1246, 1331, 1392, 1445, 1515, 1557, 1562, 1566, 1568, 1645, 1649, 1664, 1683, 1794, 1881, 1894, 1958–1959, 2027, 2086, 2116, 2311, 2345, 2349, 2397–2398, 2434, 2437, 2527, 2533, 2625, 2710, 2737, 2782, 2800, 2869, 2878, 2923, 2941, 2970, 3043, 3076, 3124, 3189, 3240–3241, 3247, 3249, 3265, 3284, 3287, 3295, 3315, 3339, 3341, 3421, 3460, 3473, 3674, 3689, 3725, 3746, 3778, 3830, 3904, 3953, 4016, 4056, 4059, 4134, 4156, 4244, 4302, 4385
OVIDUCTS: 363, 1894, 2299, 3021, 3037, 4016
OVIPOSITION: 4269
OVULATION: 43, 167, 220, 287, 387, 671, 768, 814, 893, 972–973, 1028, 1250, 1366, 1495, 1816, 1826, 1848, 1851, 1883, 1887, 1894, 1910, 1935, 1958, 1980, 2015, 2209, 2341, 2533, 2571, 2768, 2878, 2915, 2928, 2952, 3091, 3148, 3298, 3339, 3459, 3541, 3561, 3568, 3700, 3725, 3892, 3942, 3953, 3996, 4056, 4062, 4114, 4244, 4269
OVULATION INDUCTION: 554, 711, 1024, 1366, 1396, 1591, 1876, 1882, 2065, 2469, 3248, 3446, 3892
OVUM: 293, 1061, 1299, 1368, 1390, 1530, 1557, 1594, 1826, 1958, 2737, 3830, 3996, 4157
OVUM TRANSPORT: 1848, 2341
OXADIAZOLES: 4081
OXALATES: 822, 1900, 2456, 2583, 2873, 3011, 4263, 4290
OXAZOLES: 577, 652
OXIDATION-REDUCTION: 229, 922, 926, 1376, 1621, 1705, 1971, 2000, 2392, 3030, 3410, 3572, 3683, 4010, 4337
OXIDATIVE PHOSPHORYLATION: 926, 1978, 2843, 3813, 4290
OXIDOREDUCTASES: 279, 518, 892, 1475, 1529, 1767, 2000, 2608, 3009, 3143, 3205, 3801, 3904, 4281
OXIMES: 160
OXOTREMORINE: 1634, 4183
OXYGEN: 184, 914, 1280, 1381, 1521, 1571, 1598, 1621, 2008, 4243, 4377
OXYGEN CONSUMPTION: 127, 138, 203, 478, 678, 830, 868, 1046, 1299, 1309, 1365, 1478, 1598, 1615, 1943, 1978, 2197, 2319, 2363, 2518, 2630, 2723, 2934, 2986, 3155, 3683, 3923, 3997, 4121, 4310
OXYGEN INHALATION THERAPY: 199, 988, 2521
OXYGENASES: 2870, 4010
OXYMETHOLONE: 1161
OXYPERTINE: 2683
OXYPHENBUTAZONE: 3640
OXYPHENISATIN: 3807
OXYTOCIN: 93, 382, 394, 413, 604, 634, 784, 798, 1251, 1423–1424, 1615, 1842, 1994, 2247, 2505, 2868, 2894, 2983, 3053, 3150, 3737, 4135, 4181, 4237
OXYTOCINASE: 241

P

PAIN: 1351, 1466, 1884, 3382, 3403, 3448, 3504, 3703, 3967, 4002, 4155, 4167, 4427
PAIN, INTRACTABLE: 1158, 2278, 2348
PALEODONTOLOGY: 3538
PALEONTOLOGY: 4399
PALLIATIVE TREATMENT: 2348, 2444, 2551, 3044, 3241
PALMITATES: 462, 2468
PALMITIC ACIDS: 1133
PALMITOYL COA HYDROLASE: 2080
PALMITOYL COENZYME A: 542
PALPATION: 81, 1750
PANCREAS: 514, 884, 990, 1129, 1290, 1524, 1649, 2001, 2089, 2433, 2712, 2734, 3360, 3441, 3588, 3607, 3896, 4000, 4217
PANCREATECTOMY: 1463, 2820, 3749
PANCREATIC DISEASES: 774, 1126, 2615
PANCREATIC DUCTS: 3630
PANCREATIC HORMONES: 2891, 3225
PANCREATIC JUICE: 4258
PANCREATIC NEOPLASMS: 376, 409, 1307, 1401, 1519, 2257, 2871, 3418, 3658, 4282
PANCREATITIS: 9, 514, 882, 2046, 2301, 2747
PANCURONIUM: 93
PANCYTOPENIA: 1954
PANIC: 945
PANTOTHENIC ACID: 1149
PAPAVERINE: 351, 447, 2194, 2347, 2606
PAPILLARY MUSCLES: 2766, 2990, 4129
PAPILLEDEMA: 277, 3828
PAPILLOMA: 90
PAPIO: 48, 1391–1392, 3085
PARA-AORTIC BODIES: 829
PARAGANGLIA, CHROMAFFIN: 1292
PARAGANGLIOMA, NONCHROMAFFIN: 829
PARALYSIS: 2017, 2756, 3618, 3893
PARALYSIS, FAMILIAL PERIODIC: 3472
PARALYSIS, SPASTIC: 2733
PARAMETHASONE: 768
PARAMETRITIS: 1871
PARANASAL SINUS NEOPLASMS: 2152
PARAPLEGIA: 2733
PARAPROTEINEMIAS: 3853
PARASITIC DISEASES: 2111
PARASYMPATHETIC NERVOUS SYSTEM: 313, 364, 1013, 1357, 2628, 3578
PARASYMPATHOLYTICS: 381, 1021–1022, 1304, 1634, 2118, 2358, 3765
PARASYMPATHOMIMETICS: 1022, 1056, 1634
PARATHION: 3194
PARATHYROID DISEASES: 703, 2525–2526, 3418, 4317
PARATHYROID GLANDS: 359, 392–393, 569, 672, 702–703, 732, 898, 1205, 1252, 1384, 1446, 1507–1508, 1602, 1620, 1691, 1720, 1756, 1775, 1989, 2176, 2322, 2474, 2478, 2525–2526, 2534, 2777, 2938, 3200, 3215, 3539, 3602, 3823, 3844, 3973, 4074, 4131, 4173, 4200
PARATHYROID HORMONE: 9, 74–75, 152, 197, 224, 276, 310, 316, 368, 393, 569–570, 602, 610, 618, 623, 660, 729–730, 737, 754, 788, 934, 985, 999, 1098, 1197, 1205, 1252, 1254, 1285, 1314, 1384, 1446, 1507–1508, 1552, 1580, 1592, 1620, 1625, 1630, 1691, 1718, 1752–1753, 1775, 1895, 2091, 2296, 2322, 2364, 2474, 2487, 2520, 2534, 2555, 2595, 2605, 2667, 2725, 2759, 2993–2994, 3011, 3038, 3040, 3128, 3215, 3231, 3263, 3433, 3539, 3555, 3602, 3814, 3844, 3973, 4044, 4158, 4206, 4320
PARATHYROID NEOPLASMS: 934, 976, 999, 1720, 2046, 2525–2526, 2871, 3475, 3825, 3847, 3949, 4173
PARAVENTRICULAR NUCLEUS: 362, 505, 796, 2175, 2746, 3053
PARENT-CHILD RELATIONS: 436, 479
PARENTERAL FEEDING: 1608, 4258–4259
PARENTERAL HYPERALIMENTATION: 1608
PARESTHESIA: 3682
PARGYLINE: 548, 689, 942, 2009, 2816
PARIETAL LOBE: 3780
PARITY: 205, 295, 1102, 1442, 1581, 2018, 2367, 2376, 3599, 3717, 4299, 4313
PARKINSONISM: 1760, 2271, 3418
PAROTID GLAND: 3539, 3730, 4141
PAROTID NEOPLASMS: 527
PAROTIN: 3619
PARTHENOGENESIS: 1049
PARTIAL PRESSURE: 1309, 1598, 2008, 2197
PARTICLE ACCELERATORS: 397, 1521
PARTURIENT PARESIS: 854, 2924, 4286
PASSIVE CUTANEOUS ANAPHYLAXIS: 683, 2565
PASSIVE TRANSFER: 4209
PATERNAL AGE: 851
PATHOLOGY: 932, 2530
PATIENT ACCEPTANCE OF HEALTH CARE: 4049
PATIENT CARE PLANNING: 1119, 1729
PATIENT CARE TEAM: 1427
PATIENT COMPLIANCE: 208, 546, 1462, 2923
PATIENT DROPOUTS: 4049
PATULIN: 1751
PEAK EXPIRATORY FLOW RATE: 704, 3266
PEDIATRICS: 1427
PEDIGREE: 116, 572, 1195, 1265, 1499, 1573, 1911, 2014, 2270, 2451–2452, 2592, 2931, 3141, 3213, 3345, 3736
PELVIC BONES: 4394
PELVIS: 1524, 1990, 2398, 2615
PEMPHIGUS: 819, 1132, 3363, 3988
PENFLURIDOL: 73
PENICILLAMINE: 94, 553, 1821, 2465, 3372
PENICILLIC ACID: 1751
PENICILLIN G: 536, 1777, 2516
PENICILLIN RESISTANCE: 2516
PENICILLINS: 1617, 2260, 4195, 4370
PENICILLIUM: 2342
PENILE DISEASES: 64, 3408
PENILE NEOPLASMS: 5, 154, 613, 1680
PENIS: 64, 2073
PENTAGASTRIN: 1162, 1405, 1845, 1912, 3485, 4077
PENTOBARBITAL: 223, 2005, 2260, 4062
PENTOSEPHOSPHATES: 478, 1666, 3790
PENTOSYLTRANSFERASES: 2031
PEPSIN: 4169
PEPSINOGEN: 1664
PEPSTATINS: 2701, 2713
PEPTIC ULCER: 2118
PEPTIC ULCER HEMORRHAGE: 333
PEPTICHEMIO: 874
PEPTIDE FRAGMENTS: 569, 717, 761, 1630, 1718, 1752–1753, 1971, 2356–2357, 2426, 2657–2658, 2824, 2948, 3262–3263, 3481, 3555, 3645, 4320
PEPTIDE HYDROLASES: 3006, 3324, 4045
PEPTIDE INITIATION FACTORS: 844
PEPTIDE PEPTIDOHYDROLASES: 3563, 3976
PEPTIDES: 180, 263, 839, 1182, 1402, 1810, 1859, 1992, 2079, 2257, 2980, 3360, 3441, 3443, 3461, 3501, 3812, 4043, 4111
PEPTIDES, CYCLIC: 246
PERCHLORIC ACIDS: 1475, 2044
PERFUSION: 38, 532, 1155, 1316, 1444, 1478, 1556, 1686, 1833, 2008, 2285, 2844, 2940, 2990, 3033, 3477, 3725, 3960, 4064, 4066, 4327
PERIAPICAL TISSUE: 847
PERIARTERITIS NODOSA: 1113
PERIARTHRITIS: 648, 2535, 4191
PERICARDIUM: 3806
PERINEUM: 1736
PERIODIC DISEASE: 2352
PERIODICITY: 252, 413, 733, 972, 1377, 1980, 2155, 2471, 2745, 2841, 4363
PERIODONTAL DISEASES: 1493
PERIODONTITIS: 2566
PERIOSTEUM: 2484, 4228
PERIOSTITIS: 2484
PERIPHERAL NERVE DISEASES: 184, 1588, 2395, 2749
PERIPHERAL NERVE NEOPLASMS: 874, 1492, 2300
PERIPHERAL NERVES: 1292, 1384, 4380
PERISSODACTYLA: 3596
PERITONEAL DIALYSIS: 1765
PERITONEAL DISEASES: 3322
PERITONEAL FLUID: 1399, 3788, 4201
PERITONEAL NEOPLASMS: 9, 629, 955, 4393
PERITONEOSCOPY: 955, 2101, 3493, 4393
PERITONEUM: 309, 1473, 2036, 2437, 4069
PERITONITIS: 3455
PERMEABILITY: 655, 1155, 1528, 3517, 3737
PEROXIDASES: 658, 899, 902, 3347
PEROXIDES: 1376, 2718
PERPHENAZINE: 2327, 2388
PERSONALITY: 1171, 2559, 3091, 3192
PERSONALITY DISORDERS: 436, 479
PERTUSSIS VACCINE: 1527
PEST CONTROL, BIOLOGICAL: 3547
PESTICIDE RESIDUES: 287
PETROUS BONE: 2992
PEUTZ-JEGHERS SYNDROME: 3390
PHAGOCYTES: 2319, 4061
PHAGOCYTOSIS: 66, 1397, 1719, 2111, 2905, 2913, 3685, 3760, 3866, 3986, 4149
PHARMACISTS: 1022
PHARMACOLOGY: 2870, 4043
PHARYNGEAL NEOPLASMS: 541, 2695
PHENACETIN: 496
PHENANTHRENES: 2880
PHENANTHRIDINES: 2968
PHENETHANOLAMINE N-METHYLTRANSFERASE: 687–688, 1347,

1459, 1833
PHENETHYL ALCOHOL: 2384
PHENETHYLAMINES: 1041, 1267, 1947, 2587, 2816, 3251, 3497, 3690, 4136
PHENFORMIN: 546, 852, 1460
PHENOBARBITAL: 504, 747, 1312, 1635, 2487, 2674, 3901, 4243, 4347
PHENOLPHTHALEINS: 4030
PHENOLS: 233, 1647
PHENOPERIDINE: 4091
PHENOTHIAZINES: 630
PHENOTYPE: 851, 1049, 1077, 2161, 3096, 3213, 3849, 3896, 4060, 4146
PHENOXYBENZAMINE: 350, 647, 1373, 1833, 2439, 3001, 4036, 4129
PHENTOLAMINE: 125, 1304, 1440, 1933, 2208, 2766, 3131, 3230, 3459, 3629, 3652, 4131, 4251
PHENYL ETHERS: 141
PHENYLACETATES: 108, 141, 551, 832, 2573
PHENYLALANINE: 3105, 3518
PHENYLALANYL T RNA SYNTHETASE: 106
PHENYLBUTAZONE: 333, 437, 1131, 1692, 2819, 2872, 3420
PHENYLEPHRINE: 350, 1099, 2208, 2766, 2990, 3930
PHENYLPROPIONATES: 3629
PHENYTOIN: 504, 1312, 1549, 2487–2488, 3210, 3901, 4101, 4347
PHEOCHROMOCYTOMA: 105, 466, 471, 616, 632, 993, 1164, 1325, 1334, 1437, 1957, 2082, 2591, 2852, 2871, 2971, 3173, 3230, 3234, 3575, 3808, 3847, 3950, 4011, 4053, 4071, 4091, 4159
PHEROMONES: 952, 3918–3919
PHILOSOPHY: 745
PHLEBITIS: 3779
PHLEBOGRAPHY: 465, 742, 869, 1569, 3173, 3451, 3463, 3657
PHONETICS: 3007
PHONOCARDIOGRAPHY: 4060
PHORBOL ESTERS: 2942
PHORBOLS: 2942
PHOSPHATASES: 406–407, 3518
PHOSPHATES: 175, 197, 276, 294, 307, 392–393, 410, 414, 474, 559, 737, 743, 754, 868, 919, 992, 1098, 1205, 1217, 1285, 1310, 1395, 1552, 1950, 2076, 2243, 2296, 2338, 2478, 2562, 2645, 2655, 2679, 2725, 2794, 2873, 2878, 2932, 2948, 3011, 3071, 3183, 3210, 3215, 3229, 3411, 3539, 3543, 3814, 3863, 3973, 4131, 4199, 4206, 4231, 4263, 4286
PHOSPHATIDIC ACIDS: 944
PHOSPHATIDYLCHOLINES: 584, 944, 2139, 2754, 3001, 4014, 4058, 4339
PHOSPHATIDYLETHANOLAMINES: 2210, 3030, 4058
PHOSPHATIDYLINOSITOLS: 867, 3351
PHOSPHATIDYLSERINES: 2194
PHOSPHOCREATINE: 244, 2429, 2598, 3069
PHOSPHODIESTERASE INHIBITORS: 204, 1302, 1453–1454, 1727, 2274, 2534, 2554, 2719, 3079, 3227, 3530, 4188
PHOSPHODIESTERASES: 343, 645, 1085, 1332, 1822, 2019, 2362, 3105
PHOSPHOENOLPYRUVATE: 1872, 1945, 3140, 3401
PHOSPHOENOLPYRUVATE CARBOXYKINASES: 1399, 1516
PHOSPHOFRUCTOKINASE: 348, 918, 1379, 3073, 4288
PHOSPHOGLUCOMUTASE: 3896
PHOSPHOGLUCONATE DEHYDROGENASE: 1385, 1387, 3790
PHOSPHOGLYCERATE DEHYDROGENASE: 1807
PHOSPHOGLYCERATE KINASE: 2779
PHOSPHOINOSITIDES: 3983
PHOSPHOLIPASE: 867, 884, 990, 1151, 2210, 2274, 2362, 3030, 3516, 4058, 4102, 4112
PHOSPHOLIPIDS: 410, 655, 871, 1151, 1869, 2274, 2518, 2538, 2840, 3168, 3208, 3346, 3516, 3863, 4010, 4023, 4112, 4398
PHOSPHOMONOESTERASES: 1352
PHOSPHONIC ACIDS: 877
PHOSPHOPROTEIN PHOSPHATASES: 4032
PHOSPHOPROTEINS: 322, 728, 1018, 2149, 2878, 3836, 4143–4144, 4312, 4364
PHOSPHORIBOSYL PYROPHOSPHATE: 1666, 2031
PHOSPHORUS: 185, 310, 366, 623, 854, 1205, 1493, 1641, 1780, 1872, 1977, 2020, 2046, 3105, 3198, 3218, 3320, 3832, 3844, 3910, 4000
PHOSPHORUS METABOLISM DISORDERS: 2936
PHOSPHORUS RADIOISOTOPES: 2243
PHOSPHORYLASE KINASE: 1464, 2602, 4130
PHOSPHOTRANSFERASES: 1945, 3098, 3401, 4008
PHOTIC STIMULATION: 1263, 3781, 4016
PHOTOCHEMISTRY: 592
PHOTOCHEMOTHERAPY: 1597
PHOTOLYSIS: 3737
PHOTORECEPTORS: 343, 1052, 3306, 4352–4353, 4407
PHOTOSENSITIZATION: 495, 2083
PHYCOMYCETES: 559, 1844
PHYLOGENY: 1253
PHYSICAL EXAMINATION: 523
PHYSICAL FITNESS: 3266
PHYSICAL STIMULATION: 2624
PHYSICAL THERAPY: 1131, 1427
PHYSOSTIGMINE: 1852, 2976
PHYTOMITOGENS: 3462
PHYTOSTEROLS: 2566
PICA: 4400
PICROTOXIN: 1304
PIGEONS: 327, 416, 593, 1562, 3734
PIGMENT EPITHELIUM OF EYE: 2931, 3866
PIGMENTATION: 1677, 3000
PIGMENTATION DISORDERS: 340, 1544, 1654, 2741, 4082
PIGMENTS: 2305
PILOCARPINE: 953
PILOT PROJECTS: 2641
PIMOZIDE: 872, 1143, 1974, 2365, 2412, 2766, 2964–2965, 3939, 4193
PINDOLOL: 1596, 2716, 2766, 3794, 4152, 4201, 4232
PINEAL BODY: 277, 338, 557, 560, 627, 1052, 1159, 1187, 1349, 1439, 1492, 1699, 1960, 2164, 2898, 3079, 3138, 3269–3270, 3272, 3286, 3306, 3719, 3866, 4073, 4174, 4181, 4245
PINEALOMA: 1731, 1800, 3469, 3962
PINNIPEDIA: 2514
PIPERAZINES: 246, 715
PIPERIDINES: 2281
PITUITARY-ADRENAL FUNCTION TESTS : 44, 782, 1711, 2040, 2560, 2589, 3275, 3874
PITUITARY-ADRENAL SYSTEM: 44, 96, 142, 1102, 1213, 1711, 1987, 2324, 2560, 2565, 2696, 2744, 3223, 3288, 3860
PITUITARY DISEASES: 376, 2012, 2187, 2300, 2302, 2548, 3081, 3243, 4098, 4300
PITUITARY FUNCTION TESTS: 4202
PITUITARY GLAND: 104, 172, 177, 267–268, 270, 365, 441, 451, 458, 460, 627, 669, 798, 816, 827, 873, 887, 908, 936, 1101, 1137, 1148, 1182–1183, 1237, 1250, 1303, 1358, 1402, 1513, 1525, 1693, 1809, 1867, 1975, 2012, 2195, 2240, 2255, 2348, 2356, 2396, 2509, 2538, 2548, 2588, 2611, 2717, 2740, 2800, 2878, 2894, 2918, 2923, 2964–2965, 3040, 3082–3083, 3093, 3239, 3264, 3374, 3397, 3406, 3421, 3459–3460, 3589, 3598, 3604, 3632, 3645–3646, 3783, 3795, 3871, 3879, 3917, 3939–3940, 3945, 3959, 3981, 4050, 4075–4076, 4098, 4109, 4134, 4146, 4166, 4187, 4230, 4276, 4343, 4354, 4367
PITUITARY GLAND, ANTERIOR: 151, 219, 236, 252, 260, 355, 400, 460, 548, 591, 693, 695, 706, 760, 872, 916, 972, 1096, 1173, 1229, 1277, 1476, 1494, 1568, 1589, 1623, 1836–1837, 1878, 2087, 2148, 2187, 2245, 2349, 2365, 2396, 2400, 2426, 2505, 2528, 2561, 2650, 2740, 2811, 2907, 2917, 2943, 2947, 2980, 3004, 3062, 3159, 3251, 3261, 3269, 3272, 3318, 3357, 3461, 3468, 3526, 3554, 3598, 3889, 3894, 3967, 4109, 4440
PITUITARY GLAND, POSTERIOR: 413, 1184, 1287–1288, 1681, 1842, 2291, 2314, 2396, 2650, 2983, 3044, 3055, 3212, 3243, 3379, 3591, 3598, 3650, 4135, 4181, 4237
PITUITARY HORMONE RELEASE INHIBITING HORMONES: 4150
PITUITARY HORMONE RELEASING HORMONES: 303, 485, 665, 1880, 2065, 2458, 2764, 3099, 4289
PITUITARY HORMONES: 562, 883, 1358, 1536, 1907, 2624, 2753, 2891, 3652, 3861
PITUITARY HORMONES, ANTERIOR: 355, 916, 1050, 2400, 3223, 4185, 4356
PITUITARY HORMONES, POSTERIOR: 2314, 3150
PITUITARY IRRADIATION: 140, 397, 883
PITUITARY NEOPLASMS: 123, 277, 349, 355, 420, 465, 531, 690, 714, 755, 883, 1004, 1156, 1215–1216, 1262, 1519, 1525, 1578, 1724, 1800, 1876, 1898, 1961, 2012, 2052, 2085, 2138, 2152, 2229–2230, 2261, 2300, 2400, 2459, 2517, 2646, 2717, 2740, 2824, 2867, 2975, 2992, 3016, 3061, 3081, 3152, 3182, 3246, 3397, 3426, 3442, 3478, 3612–3613, 3652, 3657, 3822, 3860–3861, 3871–3872, 3945, 3980, 3989, 4083, 4088, 4098, 4116, 4284, 4300
PLACEBOS: 251, 704, 854, 940, 1239, 1398, 1733, 2391, 2754, 4286, 4423
PLACENTA: 79–80, 106, 245, 279, 288, 325, 510, 620, 668, 694, 795, 859, 905, 907, 923, 1057, 1061, 1084, 1180, 1202, 1204, 1270–1271, 1283, 1323–1324, 1336, 1375, 1435, 1478, 1598, 1631–1632, 1744, 1845, 1909, 1942–1943, 1964, 1994, 2000, 2005, 2031, 2211, 2227, 2262, 2339, 2380, 2439, 2579, 2663, 2710, 2857, 2870, 3084, 3102, 3282, 3309, 3350, 3355, 3366, 3709, 3717, 3744, 3785, 3896, 3905, 3929, 3999, 4014, 4067, 4165, 4233, 4360, 4404
PLACENTA DISORDERS: 11, 398, 488, 540, 738, 905, 923, 968, 1061, 1084, 1204, 1736, 1942, 2430, 2688, 2789, 2808, 3366, 3717, 4233, 4250
PLACENTA PRAEVIA: 1375, 3717, 4360
PLACENTAL FUNCTION TESTS: 2868, 3785
PLACENTAL HORMONES: 2789
PLACENTAL INSUFFICIENCY: 11, 738, 923, 1037, 1126, 2789, 4014, 4233
PLACENTAL LACTOGEN: 45, 241, 330, 606, 711, 775, 1283, 1838, 2006, 2256, 2346, 2473, 2552, 2710, 2761, 2789, 2803, 2868, 3197, 3309, 3311, 3389, 3599, 3664, 3717, 3785, 3929, 3990, 4165, 4435
PLANT AGGLUTININS: 153, 1046, 1858, 1986, 3035, 3525
PLANT EXTRACTS: 626, 3012, 3181
PLANT PROTEINS: 266
PLANTS: 2404–2405
PLANTS, EDIBLE: 2405
PLASMA: 486, 2334, 2926, 3289, 4327, 4392
PLASMA CELLS: 2078, 4194
PLASMA SUBSTITUTES: 988, 3324, 3925
PLASMA VOLUME: 1574, 2165, 2713, 3196, 3522
PLASMACYTOMA: 1286
PLASMAPHERESIS: 1770, 3754, 3925, 4277
PLASMIDS: 2935, 4422
PLASMINOGEN: 2272, 3974–3975
PLASMINOGEN ACTIVATORS: 66, 971
PLASMODIUM: 2554
PLATELET ADHESIVENESS: 2718
PLATELET AGGREGATION: 53, 186, 390, 566, 609, 757, 783, 811, 1122, 1166, 1469–1470, 1777, 2007, 2111, 2274, 2406, 2718–2720, 2896, 2921, 2934, 3069, 3165, 3252, 3692, 3974, 4006, 4102–4103, 4108, 4222, 4429
PLATELET FACTOR 3: 811
PLATINUM DIAMMINODICHLORIDE: 493, 600, 2641, 3147
PLATYBASIA: 2447
PLAY AND PLAYTHINGS: 3416
PLETHYSMOGRAPHY: 638
PLETHYSMOGRAPHY, IMPEDANCE: 2181, 2867, 3323
PLEURA: 1407
PLEURAL EFFUSION: 2906
PLEURAL NEOPLASMS: 3511
PLUTONIUM: 2946, 3631
PNEUMOENCEPHALOGRAPHY: 450, 2052, 2300, 2646, 2717, 4116
PNEUMONECTOMY: 1407
PNEUMONIA: 199, 265
PNEUMONIA, VIRAL: 199
PNEUMOPERITONEUM, ARTIFICIAL: 955
PNEUMOTHORAX: 2906
PODOPHYLLOTOXIN: 1666, 3886
POLIOVIRUS: 2129
POLY A: 2643, 3036, 3183
POLY A–U: 1082
POLYAMINES: 342, 1619, 1690, 1846
POLYCHAETA: 175, 348
POLYCHLOROBIPHENYL COMPOUNDS: 747
POLYCHONDRITIS, RELAPSING: 802
POLYCYTHEMIA: 1161, 1764, 2634, 3092
POLYCYTHEMIA VERA: 411, 2090

POLYETHYLENE GLYCOLS: 63, 871, 2217, 2572, 2666, 4092
POLYISOPRENYL PHOSPHATE OLIGOSACCHARIDES: 3743
POLYLYSINE: 664, 2570
POLYMERS: 3943, 3983
POLYMETHACRYLIC ACIDS: 987
POLYMORPHISM (GENETICS): 975, 2482, 3896
POLYMYALGIA RHEUMATICA: 1048, 2662, 2675, 3729
POLYNEURITIS: 2939, 3853
POLYOMAVIRUSES: 4422
POLYPHOSPHATES: 585
POLYPLOIDY: 2434, 2626, 4128
POLYRIBOSOMES: 855, 1118, 1153, 1418, 1507, 1673, 1714, 1921, 2290, 2299, 2643, 4345
POLYSACCHARIDES: 638, 3986, 4341
POLYSTYRENES: 4340
POLYURIA: 2653, 3605
POLYVINYLPYRROLIDONE: 180
PONS: 110, 362, 1776, 3113, 3305, 3535
POPULATION DENSITY: 3043, 4267
POPULATION SURVEILLANCE: 121
PORPHYRIA: 2128, 3549
PORPHYRINS: 503, 3549, 3829
PORTACAVAL ANASTOMOSIS: 644, 3522, 3654
PORTAL VEIN: 82, 269, 370, 1440, 1983, 3749
POSITIVE-PRESSURE RESPIRATION: 3776
POSTGASTRECTOMY SYNDROMES: 2871
POSTMORTEM CHANGES: 2480, 2777
POSTOPERATIVE CARE: 311, 531, 1407, 2012, 2685, 2732, 3027, 3277, 3528, 3775, 4200, 4268
POSTOPERATIVE COMPLICATIONS: 319, 332, 445, 656, 828, 1009, 1141, 1144, 1303, 1329, 1355, 1506, 1843, 1857, 1923, 1961, 2056, 2157, 2282, 2301, 2364, 2381, 2423, 2437, 2527, 3142, 3240, 3304, 3387, 3527, 3945, 4091, 4149, 4344
POSTURE: 794, 1080, 1191, 1638, 1684, 1746, 2125, 2166, 2387, 2691, 2852, 2961, 3196, 3315, 3364, 3375, 3445, 3804, 3958, 4238, 4280
POTASSIUM: 28, 38, 83, 127, 175, 185, 240, 294, 312, 334, 339, 351, 423, 446, 576, 657, 848, 858, 865, 1128, 1147, 1157, 1220, 1255, 1280, 1395, 1513, 1726, 1926, 1978, 2010–2011, 2035, 2042, 2076, 2081, 2089, 2133, 2190, 2329, 2363, 2382, 2402, 2404, 2410, 2469, 2472, 2541–2542, 2583, 2602, 2679, 2752, 2982, 3008, 3072, 3079, 3162, 3170, 3238, 3266, 3316, 3327, 3330, 3375, 3445, 3521, 3525, 3553, 3623, 3799, 3854, 3879, 3931, 3940, 3983, 4000, 4030, 4133, 4153, 4168, 4291, 4328, 4348
POTASSIUM CHLORIDE: 22, 776, 2445, 2456, 2683, 2998, 3536
POTASSIUM IODIDE: 2235, 2886, 3146, 3678, 4436
POTENTIOMETRY: 3680
POULTRY DISEASES: 1322, 2095, 2677, 4209–4210
PRACTOLOL: 626
PREANESTHETIC MEDICATION: 156, 398, 523
PRECANCEROUS CONDITIONS: 35, 2242, 2257, 2473, 2618–2619
PRECIPITATION: 568, 946, 1270, 1932, 2706, 3438, 3461
PRECIPITIN TESTS: 417, 3369, 3871
PREDIABETIC STATE: 566
PREDNISOLONE: 7, 143, 282, 312, 490, 633, 662, 739, 861, 1081, 1083, 1124–1125, 1190, 1206, 1264, 1281, 1301, 1306, 1343, 1394, 1468, 1541, 1821, 2041, 2053, 2069, 2123, 2272, 2308, 2431, 2581, 2648, 2665, 2700, 2767, 2997, 3428, 3497, 3560, 3592, 3722, 3724, 3841, 3843, 3922–3923, 3991, 4031, 4110, 4254, 4264, 4295, 4328, 4351, 4368
PREDNISOLONE, TOPICAL: 4110
PREDNISONE: 54, 63, 91, 94–95, 114, 118, 132, 146, 158, 191, 231, 390, 412, 435, 448, 514–515, 601, 680, 697, 720, 743, 746, 790, 792, 802, 837, 861, 927, 958, 986, 998, 1059, 1113, 1132, 1203, 1221, 1231, 1236, 1249, 1286, 1291, 1355, 1456, 1527, 1541, 1548, 1558, 1617, 1704, 1857, 1861, 1884, 1928, 1965, 2021, 2126, 2157, 2174, 2324, 2370, 2499, 2537, 2540, 2557, 2568, 2581, 2616, 2642, 2675, 2678, 2730, 2770, 2818, 2863, 2939, 3034, 3065, 3103, 3154, 3171, 3257, 3290, 3317, 3343, 3363, 3453, 3546, 3556, 3601, 3658, 3695, 3710, 3729, 3756, 3778, 3817, 3824, 3965, 3994, 4061, 4253, 4268
PRE-ECLAMPSIA: 241, 346, 398, 1126, 1656, 2387, 3664, 3895
PREGNADIENEDIOLS: 577, 801, 2767
PREGNADIENES: 770, 1433, 2358, 2528–2529, 3483, 3589, 3675, 3995, 4096, 4257
PREGNADIENETRIOLS: 1813
PREGNANCY: 4, 10–12, 24, 26, 42, 45, 48, 72–73, 79–80, 101, 106, 113, 126, 136–137, 153, 184, 187–188, 205, 215, 238–239, 241, 245, 253, 279–281, 284, 290, 293, 295, 302, 325, 330, 346, 371, 385, 396, 398, 403, 425, 428, 441, 444–445, 457, 463, 488, 499, 503, 510, 518, 524, 540, 542, 554, 565, 589, 595, 606, 615, 620, 634–635, 653, 660, 663–665, 668–670, 685, 694, 709, 711, 738, 747, 752, 756, 766, 773, 775, 781, 786, 794–795, 803, 814–815, 820, 826, 854, 856, 859, 877, 893, 905–907, 922–923, 929, 943, 952, 957, 961, 964, 968, 973, 1002, 1037, 1057, 1061, 1063, 1071, 1084, 1087, 1097, 1102, 1106, 1126, 1137, 1141, 1162, 1177, 1180, 1202, 1204, 1211, 1216, 1228, 1242, 1246, 1250–1251, 1269–1271, 1283, 1323–1324, 1333, 1336, 1358, 1366, 1375, 1380, 1423–1424, 1428, 1435, 1442, 1458, 1478, 1495, 1499, 1517, 1525, 1543–1544, 1551, 1554, 1560, 1576, 1581, 1598, 1612, 1631–1632, 1649, 1652, 1656, 1665, 1669, 1682–1683, 1693, 1702–1703, 1710, 1733–1734, 1736, 1744, 1750, 1766, 1770, 1781, 1794, 1824, 1832, 1838, 1845, 1847, 1865, 1869–1871, 1876, 1882, 1909, 1915, 1934, 1938, 1942–1943, 1949, 1964, 1994–1995, 1997–1998, 2000, 2005–2006, 2018, 2027, 2031, 2034, 2046, 2048, 2050, 2066, 2068, 2080, 2093, 2112–2113, 2142, 2159, 2211, 2227, 2246–2247, 2249, 2256, 2262, 2282–2283, 2294, 2302, 2339, 2346, 2367–2368, 2373, 2380, 2387, 2422, 2430, 2439–2440, 2453–2454, 2463, 2473, 2486, 2517, 2525, 2527, 2533, 2552, 2579, 2593, 2607, 2615, 2620, 2622, 2624, 2634, 2646, 2663, 2680, 2688, 2694, 2698, 2702, 2710, 2754, 2761, 2768–2769, 2782, 2789, 2793, 2803, 2808, 2811, 2817, 2848, 2857, 2868, 2875, 2882, 2887, 2889, 2900, 2915–2916, 2928, 2955–2956, 2959, 2974, 2979, 2999, 3012, 3022, 3031, 3034, 3048, 3056, 3101–3102, 3107, 3112, 3124, 3129, 3144–3145, 3148, 3172, 3178, 3187, 3191–3192, 3197, 3216, 3240–3241, 3244, 3248–3249, 3265, 3274, 3282, 3294–3295, 3298, 3311, 3314, 3321, 3350, 3356, 3365–3366, 3377, 3389, 3443, 3446, 3449, 3478, 3552, 3569–3570, 3597, 3599, 3625–3626, 3633, 3645, 3649, 3660, 3664, 3682, 3686, 3709, 3712, 3716–3717, 3727–3728, 3744, 3761–3762, 3767, 3785, 3791, 3800, 3821–3822, 3831, 3837, 3845, 3851, 3855, 3874–3875, 3895–3896, 3905, 3923, 3929, 3944, 3953, 3956, 3970, 3973, 3989–3990, 3997, 3999, 4014, 4033, 4049, 4053, 4063, 4067, 4083, 4088, 4095, 4109, 4135, 4146, 4165, 4170–4171, 4176, 4198, 4219, 4225, 4227, 4233, 4243, 4250, 4252, 4256, 4271, 4278, 4286, 4306, 4313, 4349, 4359–4360, 4376, 4389–4390, 4404, 4435, 4443
PREGNANCY, ANIMAL: 35, 48, 444, 463, 518, 589, 893, 1445, 1458, 1649, 1739, 1865, 2005, 2246, 2552, 2782, 2870, 2882, 3124, 3178, 3187, 3249, 3265, 3633, 4157, 4389–4390
PREGNANCY COMPLICATIONS: 12, 26, 45, 117, 215, 241, 284, 290, 371, 398, 428, 445, 499, 510, 524, 595, 752, 820, 905, 957, 961, 964, 1137, 1141, 1162, 1380, 1442, 1525, 1543–1544, 1770, 1870, 1876, 1942, 1997–1998, 2046, 2093, 2159, 2211, 2262, 2346, 2387, 2525, 2607, 2634, 2702, 2803, 2868, 3022, 3102, 3172, 3197, 3240, 3274, 3282, 3569, 3597, 3717, 3744, 3785, 3822, 3989, 3999, 4014, 4063, 4067, 4278
PREGNANCY COMPLICATIONS, CARDIOVASCULAR: 241, 1097, 1333, 3895
PREGNANCY COMPLICATIONS, HEMATOLOGIC: 856, 1915, 2979
PREGNANCY COMPLICATIONS, INFECTIOUS: 1204
PREGNANCY, ECTOPIC: 290, 2680
PREGNANCY IN DIABETES: 42, 241, 398, 943, 1126, 1543, 1656, 1997–1998, 2346, 2710, 3112, 3197, 4014
PREGNANCY MAINTENANCE: 1682–1683
PREGNANCY, MULTIPLE: 241, 1102, 1204, 1366, 2688, 2979, 3197
PREGNANCY, PROLONGED: 1204, 1736, 2688, 4233
PREGNANCY TESTS: 293, 1669, 1710, 1750, 3727
PREGNANCY TESTS, IMMUNOLOGIC: 1997
PREGNANCY TOXEMIAS: 4, 325, 1333, 1736, 1997–1998, 2346, 3192, 3311, 3664, 3682, 3728, 4014
PREGNANCY TRIMESTER, FIRST: 668, 1871, 2454, 3311, 3727
PREGNANCY TRIMESTER, SECOND: 1333, 1871, 2159, 3311, 3599, 3727, 3821, 4154
PREGNANCY TRIMESTER, THIRD: 280, 346, 403, 635, 668, 968, 1333, 1435, 1739, 1994, 2006, 2368, 3048, 3311, 3990, 4063, 4306, 4360, 4435
PREGNANCY, TUBAL: 3240
PREGNANEDIOL: 10–12, 836, 964, 1058, 1851, 1910, 1998, 2159, 3402, 4359
PREGNANEDIONES: 156, 207, 378–379, 534, 636, 785, 2776, 3437, 3456, 3776, 4078, 4212
PREGNANES: 912, 1045, 1826
PREGNENEDIONES: 1398, 2774, 3574
PREGNENES: 1045, 1353, 1740, 1826
PREGNENOLONE: 79, 271, 389, 525, 692, 906, 1020, 1138, 1201, 2160, 2570, 3611, 4046
PREGNENOLONE CARBONITRILE: 2136
PREKALLIKREIN: 962, 4104
PRELEUKEMIA: 2090
PREMARIN: 251, 1250, 2915, 4113
PREMEDICATION: 300
PRENATAL DIAGNOSIS: 457, 905, 2761, 2999, 3096, 3389, 3895
PRENIDATION PHASE, ANIMAL: 4157
PREOPERATIVE CARE: 523, 531, 595, 2685, 3378, 3528, 3673
PREOPTIC AREA: 110, 157, 222–223, 505, 671, 780, 796, 1029, 1415, 1432, 1939, 1999, 3015, 3288, 3406, 3650, 3795, 3903, 3966, 4020, 4181, 4261
PRESCRIPTIONS, DRUG: 3784
PRESSORECEPTORS: 178, 373, 497, 1638, 1701, 2165, 2542, 3196, 4009
PRESSURE: 957, 1162, 1336, 2076, 2789, 3033, 3614
PRIMATES: 2870, 4012
PRIMIDONE: 504, 1526, 2487
PRISONERS: 4298
PROADIFEN: 83
PROBABILITY: 1289
PROBENECID: 3063
PROCAINE: 3156, 3968
PROCAINE AMIDE: 3307
PROCARBAZINE: 114, 601, 697, 1558, 1704, 2174, 2540, 3171, 3317, 3601, 3636, 3841, 4295
PROCOLLAGEN: 4023
PROESTRUS: 223, 586, 1887, 2207, 3126, 3261, 3796, 4062, 4244
PROFESSIONAL PRACTICE: 3491
PROGERIA: 551, 896, 1019, 1385, 1387, 1808, 2128, 2142, 3380, 3862, 3957
PROGESTATIONAL HORMONES: 271, 389, 463, 996, 1196, 1200, 2435, 2817, 3161, 3797, 3883
PROGESTATIONAL HORMONES, SYNTHETIC: 431, 695, 1096, 1353, 1388, 1713, 1827, 1883, 1888, 3241, 3450, 3554, 3761
PROGESTERONE: 24, 31, 35, 48, 79, 113, 149, 167, 176, 179, 190, 239–240, 260, 271, 330, 353, 396, 403, 444, 447, 456, 463, 503, 525, 528, 534, 615, 634, 660, 711, 744, 768–769, 797, 826, 873, 957, 994, 1043, 1089, 1096–1097, 1148, 1162, 1201, 1212, 1226, 1233, 1283, 1309, 1345, 1368, 1391–1392, 1415, 1432, 1445, 1495, 1535, 1594, 1623, 1642–1644, 1682, 1689, 1732–1733, 1750, 1826, 1838, 1877, 1883, 1888, 1910, 1943, 1980, 1998, 2015, 2070, 2105, 2141, 2207, 2234, 2245, 2249, 2260, 2299, 2326, 2387, 2722, 2724, 2817, 2952, 3021, 3091, 3126, 3148, 3189, 3192, 3203, 3284–3285, 3300, 3356, 3436, 3468, 3541, 3568, 3599, 3614, 3633, 3706, 3713, 3801, 3904, 3918–3919, 3921, 3942, 4048, 4055–4056, 4093–4094, 4096, 4194, 4212, 4245, 4269, 4349, 4408
PROGESTERONE BINDING GLOBULIN: 353, 534, 1043, 4212–4213
PROGNOSIS: 49, 69, 71, 81, 87, 91, 140, 144, 373, 442, 479, 492, 680, 826, 1329, 1354, 1427, 1492, 1645, 1729, 1813, 1901, 2052, 2323, 2399, 2407, 2465, 2492, 2610, 2678, 2732, 2819, 2831, 3175, 3290, 3415, 3895, 4021–4022, 4068, 4202, 4299, 4430
PROINSULIN: 3759
PROLACTIN: 104, 129, 151, 246, 252, 262, 280, 314, 420, 451, 494, 513, 522, 548, 561, 621–622,

634, 663, 667, 711, 714, 779, 929, 972, 977, 1004, 1050, 1091, 1103, 1106, 1114–1115, 1143, 1156, 1172, 1177, 1215–1216, 1219, 1251, 1266, 1277, 1283, 1295, 1308, 1445, 1503, 1513, 1518, 1525, 1554–1555, 1578, 1623, 1708, 1712, 1714, 1724, 1760, 1794, 1829, 1860, 1873, 1876, 1878, 1892, 1939, 2013, 2048, 2057, 2214, 2229, 2253, 2255, 2278, 2327, 2349, 2365–2366, 2369, 2371, 2388, 2400, 2473, 2507, 2509, 2517, 2522, 2536, 2623–2624, 2628, 2646, 2711, 2811–2812, 2829, 2846, 2947, 2964, 2975, 2993, 3016, 3018, 3067, 3073, 3099, 3144, 3195, 3219, 3251, 3253, 3264, 3321, 3352, 3421, 3449, 3478, 3570, 3598, 3603, 3607, 3632, 3652, 3668, 3674, 3699, 3783, 3822, 3879, 3945, 3982, 3989, 4051, 4056, 4083, 4085, 4088, 4093–4094, 4113, 4156, 4194, 4236, 4252, 4258, 4267, 4276, 4300, 4358, 4376
PROLACTIN RELEASE INHIBITING HORMONE: 1216, 4376
PROLINE: 660, 2848, 2980
PROMAZINE: 2507
PRONETHALOL: 4310
PROPANIDID: 156, 785, 2776
PROPANOLAMINES: 451, 1165, 1239, 1319, 4297
PROPIONATES: 437, 832
PROPIONIBACTERIUM ACNES: 2762
PROPIONIC ACIDS: 859
PROPRANOLOL: 16, 125, 350, 368, 595, 602, 707, 791, 1003, 1030, 1080, 1197, 1304, 1423, 1459, 2165, 2179, 2222, 2275, 2288, 2439, 2843, 2888, 2967, 2990, 3001, 3131, 3170, 3583, 3794, 4159, 4251, 4270, 4297, 4367
PROPYLAMINES: 1199, 2416
PROPYLTHIOURACIL: 524, 1415, 1457, 1504, 1543, 1735, 2049, 2355, 2986, 3646, 3678, 4129, 4371
PROSIMIANS: 1300
PROSPECTIVE STUDIES: 159, 251, 623, 826, 983, 1862, 1871, 1942, 2280, 2441, 2492, 2688, 3415, 3779, 3797, 4294
PROSTAGLANDIN ANTAGONISTS: 259, 472, 1128, 2406, 2566, 2719, 3692, 4384, 4429
PROSTAGLANDIN ENDOPEROXIDES: 1166, 1376, 2718, 4102
PROSTAGLANDIN ENDOPEROXIDES, SYNTHETIC: 3001
PROSTAGLANDIN SYNTHASE: 230, 422, 1097, 1169, 1539, 2274, 2705, 2719, 3001, 4104
PROSTAGLANDINS: 58, 60, 66–67, 102, 141, 186, 188, 193, 259, 281, 422, 437, 584, 609, 624, 647, 758, 783, 857, 867, 886, 894, 901, 926, 963, 973, 1044, 1070, 1122, 1127, 1166, 1169, 1251, 1268, 1336, 1372, 1414, 1440, 1469–1470, 1480–1481, 1539, 1576, 1593, 1597, 1708, 1797, 1871, 1920, 1995, 2091, 2118, 2210, 2222, 2239, 2298, 2386, 2406, 2432, 2472, 2495, 2510, 2590, 2645, 2705, 2718–2720, 2751, 2847, 2891, 2921, 2934, 2942, 3001, 3006, 3035, 3094, 3178, 3231, 3252, 3291, 3319, 3346, 3420, 3432, 3523, 3614, 3642–3643, 3687, 3692, 3788, 3848, 3915, 3924, 3961, 4006, 4019, 4023, 4037, 4043, 4058, 4102, 4108, 4112, 4177, 4292, 4318, 4337, 4429
PROSTAGLANDINS A: 894, 1044, 3687, 3848
PROSTAGLANDINS A, SYNTHETIC: 3165
PROSTAGLANDINS B: 1044, 3848
PROSTAGLANDINS D: 609, 783, 3523
PROSTAGLANDINS E: 53, 204, 222, 230, 248, 281, 316, 584, 591, 647, 650, 705, 776, 783, 788, 833, 857, 894, 1010, 1044, 1337, 1399, 1437–1438, 1565, 1575, 1592, 1625, 1691, 1920, 2222, 2341, 2432, 2454, 2481, 2555, 2570, 2847, 2921, 2943, 3088, 3178, 3183, 3295, 3315, 3447, 3848, 3921, 3961, 4102, 4177, 4327, 4408
PROSTAGLANDINS E, SYNTHETIC: 3124, 3165, 3484, 3629
PROSTAGLANDINS F: 100, 467, 584, 674, 776, 788, 833, 857, 893, 1044, 1520, 1920, 2015, 2222, 2432, 2454, 2570, 2705, 3178, 3447, 3574, 3599, 3848, 3915, 3921, 4154, 4177
PROSTAGLANDINS F, SYNTHETIC: 188, 706, 1266, 1378, 1520, 1838, 3295, 3417, 4406
PROSTAGLANDINS G: 422, 1166
PROSTAGLANDINS H: 422, 1166, 3001, 3252
PROSTAGLANDINS, SYNTHETIC: 783, 1166, 1470, 2719
PROSTAGLANDINS X: 67, 422, 783, 963, 1414, 1469–1470, 1708, 2274, 2406, 2718–2720, 3643, 3692, 3961, 4429
PROSTATE: 5, 491, 594, 2467, 2681, 2706, 2736, 2797, 2899, 3036, 3508, 3584, 3899, 4113, 4160, 4281
PROSTATECTOMY: 2641
PROSTATIC DISEASES: 3527
PROSTATIC HYPERTROPHY: 383, 1342, 1829, 2064, 2171, 2323, 2706, 2736, 2899, 3584, 4113
PROSTATIC NEOPLASMS: 154, 361, 383, 492, 909, 1668, 1716, 1829, 2064, 2152, 2171, 2323, 2348, 2492, 2641, 2706, 2899, 3044, 3103, 3204, 3508, 3527, 3964, 3993, 4113
PROSTHESIS: 3271, 4444
PROTAMINES: 1321, 1932, 2706, 4090
PROTEIN BINDING: 13, 52, 62, 180, 339, 343, 573, 633, 762, 770, 991, 996, 1202, 1361, 1379, 1498, 1508, 1599, 1705, 1921, 2105, 2167, 2178, 2232, 2297, 2658, 2952, 2977, 2980, 2998, 3089, 3095, 3153, 3260, 3354, 3432, 3489, 3584, 3631, 3713, 3791, 3891, 3948, 4111, 4203, 4213, 4288, 4326
PROTEIN-BOUND IODINE TEST: 499, 1325, 1633, 1866, 2096, 2788
PROTEIN-CALORIE MALNUTRITION: 3590, 3885, 4178
PROTEIN CONFORMATION: 367, 990, 1018, 1361, 1774, 2295, 3163, 3217, 3713, 4077, 4346
PROTEIN DEFICIENCY: 800, 1137, 1491, 2702, 4067
PROTEIN DENATURATION: 687, 946, 1324, 2449, 3169, 3438
PROTEIN KINASE: 47, 161, 304, 322, 384, 539, 592, 659, 757, 761–762, 844, 991, 993, 1099, 1176, 1332, 1477, 2149, 2198, 2212, 2218, 2232, 2277, 2362, 2508, 2673, 2791, 2874, 2987, 3140, 3153, 3334, 3384, 3536, 3543, 3624, 3677, 3758, 3928, 3948, 4032, 4130, 4143, 4182, 4231–4232, 4290, 4312, 4336
PROTEIN O-METHYLTRANSFERASE: 1284
PROTEIN PRECURSORS: 172, 604, 844, 1091, 1508, 2426, 2474, 2627, 2753, 3607, 4323
PROTEINS: 151, 358, 660, 664, 721, 810, 833, 900, 1116, 1153, 1180, 1199, 1311, 1362, 1367, 1491, 1572, 1619, 1825, 1850, 1878, 2457, 2734, 2796, 3158, 3360, 3660, 3746, 3906, 3983, 3997, 4006, 4023, 4039, 4067, 4150, 4308, 4355, 4398
PROTEINURIA: 191, 2730, 3029
PROTEOGLYCANS: 559, 937, 944, 3563, 4045
PROTHROMBIN: 361
PROTHROMBIN TIME: 3975
PROTONS: 397, 1247
PROTOPLASTS: 4279
PROTOPORPHYRINS: 503
PROTOZOA: 66
PRURITUS: 411
PSEUDARTHROSIS: 1650
PSEUDOHERMAPHRODITISM: 681, 685, 1068, 1828, 1836, 2135, 3143, 3233, 3414, 3431, 3839, 4046, 4190
PSEUDOHYPOPARATHYROIDISM: 84, 275–276, 2460, 2742, 2949, 3180, 4223, 4289
PSEUDOMONAS: 3898
PSEUDOPREGNANCY: 47, 586, 1445, 1520, 1714, 2800, 2817, 3459, 3668, 4252
PSEUDOPSEUDOHYPOPARATHYROIDIS: 3180
PSEUDOTUMOR CEREBRI: 277, 3828
PSEUDOXANTHOMA ELASTICUM: 2293
PSORIASIS: 401, 1382, 1480–1481, 1597, 1889, 3319, 3723, 4080, 4110, 4122
PSYCHIATRIC STATUS RATING SCALES: 1171
PSYCHOANALYTIC INTERPRETATION: 3099
PSYCHOLOGICAL TESTS: 2462
PSYCHOMETRICS: 945
PSYCHOMOTOR DISORDERS: 2592
PSYCHOPATHOLOGY: 1806
PSYCHOPHARMACOLOGY: 4043
PSYCHOPHYSIOLOGIC DISORDERS: 1102, 1119, 2556, 2800, 3099
PSYCHOSES: 1908, 2270, 4335
PSYCHOSES, ALCOHOLIC: 198
PSYCHOSES, MANIC-DEPRESSIVE: 582, 1374, 2270, 2343, 4172
PSYCHOSES, ORGANIC: 298, 3418, 4335
PSYCHOSES, TOXIC: 3575, 3637
PSYCHOSEXUAL DEVELOPMENT: 2135, 2401, 2612, 3185
PSYCHOTROPIC DRUGS: 73, 954, 1586, 3419
PTERINS: 4182
PUBERTY: 554, 838, 850, 1039, 1188, 1212, 1741, 2425, 3010, 3203, 3308, 3362, 3394, 3570, 3597, 3670, 3674, 3700, 3732–3733
PUBERTY, PRECOCIOUS: 2204, 2345, 2379, 2398, 3180, 4179
PUERPERAL DISORDERS: 2302, 3597
PUERPERAL INFECTION: 1736
PUERPERIUM: 137, 239, 403, 766, 888, 1734, 1750, 2048, 3101, 3107, 4056
PULMONARY ALVEOLAR PROTEINOSIS: 4023
PULMONARY ALVEOLI: 966, 3001, 3878
PULMONARY ARTERY: 592, 2466
PULMONARY CIRCULATION: 98, 1985, 2590, 2705, 4429
PULMONARY EDEMA: 2906, 4159
PULMONARY EMBOLISM: 265, 3101, 3779
PULMONARY SURFACTANT: 1154, 3001, 3031, 3346, 4014, 4023
PULMONARY VALVE STENOSIS: 4060
PULPITIS: 1127
PULSE: 1167–1168, 2679, 2867, 3364, 3497, 3900
PUNCTURES: 2101
PURKINJE CELLS: 4032
PURKINJE FIBERS: 1327
PUROMYCIN: 2825, 3746
PURPURA, HYPERGLOBULINEMIC: 1548
PURPURA, THROMBOPENIC: 1047, 1915, 2026, 2979, 3556, 3817, 3934, 3979
PUTAMEN: 1991, 2448
PUTRESCINE: 1619, 1690
PYELONEPHRITIS: 2436
PYLORIC STENOSIS: 1845
PYODERMA: 2913
PYRAMIDAL TRACTS: 3780
PYRANS: 1751
PYRAZINES: 715, 3330
PYRAZOLES: 312, 832, 1546
PYRETHRINS: 1317
PYRIDAZINES: 1125
PYRIDINES: 206, 390, 1868, 1964, 2565, 3513
PYRIDOSTIGMINE BROMIDE: 2069
PYRIDOXAL PHOSPHATE: 36, 2132, 3063
PYRIDOXINE: 36, 929
PYRIDOXINE DEFICIENCY: 3628
PYRILAMINE: 206, 3423
PYRIMETHAMINE: 1231, 1672
PYRIMIDINES: 521
PYRIMIDINONES: 778
PYROGENS: 66, 3006
PYROGLUTAMATE AMINOPEPTIDASE: 246
PYROPHOSPHATES: 4255
PYRROLES: 472
PYRROLIDINES: 700, 2358, 2772, 2961, 3756
PYRROLIDINONES: 2253
PYRROLIDONECARBOXYLIC ACID: 2253
PYRUVATE DEHYDROGENASE COMPLEX: 2468
PYRUVATE KINASE: 304, 3140
PYRUVATES: 203, 244, 462, 1453, 1523, 3073, 3155

Q

QUADRIPLEGIA: 1940, 2395
QUAIL: 555, 1076, 1229, 1916
QUALITY CONTROL: 1637, 2129, 3457
QUALITY OF LIFE: 3047
QUESTIONNAIRES: 2909
QUINACRINE: 2421, 3516
QUINAZOLINES: 3212, 4337
QUINESTROL: 251, 1428, 4049
QUINGESTANOL: 4049
QUINIDINE: 3307, 4195
QUININE: 3113–3114
QUINONES: 1705
QUINOXALINES: 3439
QUIPAZINE: 1834, 2903, 3219

R

RABBITS: 5, 41, 83, 93, 110, 128, 131, 155, 168, 216, 225, 229, 249, 256, 259, 282, 302, 352, 356, 410, 446, 497, 542, 592, 609–610, 638, 664–665, 712, 728, 753, 857, 866, 893–894, 922, 953, 972, 987, 991, 1032–1033, 1035, 1041, 1111, 1129, 1155, 1173, 1193, 1196, 1208–1209, 1251, 1324, 1331, 1372, 1379, 1386, 1394, 1404, 1419, 1440,

1469, 1528, 1622, 1649, 1714, 1732–1733, 1774, 1786, 1797, 1799, 1813, 1845, 1848, 1885, 1888, 1905, 1921, 1933, 1943, 2080, 2121, 2131, 2263, 2272, 2298, 2315, 2359, 2361, 2385, 2387, 2402, 2422, 2456, 2562, 2565, 2590, 2652, 2673, 2719–2720, 2766, 2772, 2796, 2817, 2843–2844, 2870, 2873, 2895–2896, 2905, 2916, 2922, 2927, 2937, 2995, 3001, 3017, 3100, 3111, 3164, 3168, 3178, 3184, 3260, 3271, 3280, 3285, 3302, 3344, 3359, 3417, 3443, 3457, 3459–3460, 3471, 3489, 3517, 3535, 3561, 3563, 3577, 3606–3608, 3619, 3629, 3634, 3660, 3665, 3709, 3726, 3830, 3858, 3863, 3908, 3942, 3968, 4003–4004, 4006, 4012, 4015, 4017, 4078, 4130, 4203, 4228, 4257, 4288, 4290, 4306, 4322, 4328, 4346, 4363, 4370, 4380

RADIATION DOSAGE: 632, 1000, 2661, 2787, 3391, 3510, 3834, 4301, 4426

RADIATION EFFECTS: 529, 3410

RADIATION GENETICS: 1382

RADIATION INJURIES: 684, 2170, 3209, 4262

RADIATION INJURIES, EXPERIMENTAL: 138, 2502

RADIATION, IONIZING: 2661, 4426

RADIATION MONITORING: 3869

RADIATION PROTECTION: 1382, 4301

RADIATION-PROTECTIVE AGENTS: 8, 2117, 2502

RADIATION TOLERANCE: 2117, 2196–2197, 3834

RADIOALLERGOSORBENT TEST: 2585

RADIODERMATITIS: 613, 1382

RADIOGRAPHIC IMAGE ENHANCEMENT: 3546

RADIOGRAPHY: 3510, 3970

RADIOIMMUNOASSAY: 52, 78, 126, 133, 167, 183, 187, 190, 223, 400, 420, 511, 586, 635, 640, 712, 718, 764, 857, 906, 917, 934, 948, 1001, 1008, 1037, 1063, 1086, 1115, 1211, 1308, 1318, 1328, 1340, 1394, 1465, 1479, 1503, 1599, 1605, 1613, 1636–1637, 1669, 1697–1698, 1706, 1753, 1791, 1856, 1860, 1912, 1966, 1996–1998, 2037, 2099, 2112–2113, 2217, 2268, 2278, 2286, 2297, 2314, 2322, 2346, 2368, 2371, 2400, 2552, 2558, 2572, 2589, 2620, 2666, 2680, 2694, 2758, 2784, 2803, 2821, 2832, 2845, 2848, 2893, 2900, 2926, 2945, 2955–2956, 2960, 3014, 3082, 3089, 3094, 3104, 3199, 3202, 3289, 3350, 3365, 3407, 3449, 3541, 3555, 3562, 3577, 3602, 3627, 3647, 3803, 3850, 3855, 3871, 3959, 3966, 4028, 4076, 4114, 4141, 4214, 4257, 4305–4306, 4320, 4322–4323, 4354, 4418

RADIOISOTOPE TELETHERAPY: 2450, 4115

RADIOISOTOPES: 46, 370, 540, 632, 1602, 2228, 2333, 2787, 2927, 2991, 3337, 3859, 3986, 4328

RADIOLIGAND ASSAY: 13, 1001, 1308, 1710, 2313, 3708, 3782, 4418

RADIONUCLIDE IMAGING: 540, 1334, 2333, 2760, 3202, 3510

RADIOTHERAPY: 1247, 1382, 1413, 1509, 2300, 2515, 2695, 2739, 3209, 3475, 3825

RADIOTHERAPY DOSAGE: 114, 679, 1286, 1382, 1413, 1595, 1667, 2151–2152, 3209, 3511

RADIOTHERAPY, HIGH ENERGY: 397, 428, 2152, 2991, 3209, 3618

RADIUM: 3209

RANA: 3854, 4162

RANA CATESBEIANA: 343, 1337, 3621, 3793, 4162

RANA ESCULENTA: 543, 4076

RANA PIPIENS: 59, 1410, 3355, 4285

RANA TEMPORARIA: 2336, 4372

RANDOM ALLOCATION: 1296

RAPHE NUCLEI: 110, 415, 625, 715, 870, 1294, 1831, 2075, 2544, 2727–2728, 3206, 3305, 3422, 3551

RATS: 1, 8, 13, 26, 29, 34, 36, 39, 47, 62, 67, 72, 96, 99, 102–104, 108, 113, 124–125, 127, 141, 145, 150–151, 153, 157–158, 161, 163, 168, 171, 176–177, 193, 197, 201–203, 217, 223, 234, 238, 240, 244, 246, 252–253, 260, 267, 270, 274, 300, 302–304, 313, 315, 321–324, 335, 337, 344, 350, 362, 370, 372, 374, 380, 382, 392–394, 404, 406–407, 415, 417, 420, 422–423, 425, 435, 438, 446, 451–452, 458, 460–463, 472, 478, 481, 485, 501–503, 505, 518, 521–522, 529, 532–533, 544–545, 547, 549, 574, 578–580, 585–586, 591, 594, 598, 604, 616, 620, 624–625, 627, 632–633, 638, 646–647, 652, 655, 659–661, 669, 671, 678, 681, 683, 686–688, 692, 694, 696, 698, 700–702, 709–710, 713–716, 721, 728, 731, 744, 751, 756, 759–760, 764, 770, 778, 780, 783–784, 787–788, 794–796, 798–800, 820–821, 824–825, 831, 833, 840–842, 845–846, 858–860, 870, 872–873, 878, 887, 891, 894–895, 897–898, 900, 907–908, 914–917, 919, 924, 926, 928, 933, 941–942, 967, 972, 985, 994, 997, 1000, 1005, 1011, 1024–1025, 1028, 1030, 1036, 1041, 1043, 1050, 1053, 1060, 1062, 1074–1075, 1096, 1098–1100, 1108–1110, 1114, 1127–1128, 1137, 1139, 1146, 1150, 1153, 1160, 1170, 1173, 1187, 1191, 1199, 1207, 1222–1223, 1230, 1232, 1234, 1237, 1241, 1243, 1251–1252, 1255, 1263, 1267, 1269, 1271, 1276–1277, 1280, 1287–1288, 1290, 1294–1295, 1310, 1312, 1320, 1332, 1345, 1347, 1352, 1356, 1358, 1367, 1373, 1389, 1403, 1415, 1418, 1421, 1430–1432, 1439, 1446, 1450–1453, 1455, 1459, 1461, 1467, 1474, 1483, 1486–1487, 1494–1497, 1502, 1512–1513, 1515–1516, 1519–1520, 1529, 1531, 1534–1537, 1546–1547, 1549, 1552, 1556, 1560–1561, 1568, 1575, 1579, 1582, 1586–1587, 1589, 1592–1593, 1601, 1609, 1615, 1620, 1624–1625, 1630, 1634, 1641–1644, 1658, 1662, 1666, 1670, 1673–1674, 1678, 1682–1684, 1686, 1691, 1693, 1699, 1703, 1708, 1735, 1754, 1773, 1775, 1779, 1782, 1794, 1796, 1804, 1807, 1809, 1811–1813, 1818, 1821, 1825, 1831, 1834, 1842, 1850, 1852, 1872, 1885, 1887, 1893, 1895, 1899–1900, 1907, 1919, 1932–1933, 1937–1939, 1951–1952, 1960, 1962, 1964, 1967, 1970, 1975, 1977, 1981, 1987–1989, 1992, 1996, 1999, 2001, 2003, 2005, 2009–2011, 2029–2030, 2032, 2035, 2039, 2049–2050, 2058–2059, 2070, 2072, 2087, 2089, 2094, 2098, 2100, 2108, 2116, 2120, 2133–2134, 2136, 2141, 2146, 2148–2149, 2172–2173, 2175–2176, 2183–2184, 2189, 2191, 2205–2208, 2218–2219, 2222, 2228, 2231, 2234, 2236–2237, 2243, 2245, 2247, 2250, 2254–2255, 2264, 2266, 2279, 2281, 2283, 2289, 2292, 2296, 2298, 2312, 2320–2321, 2337–2339, 2349, 2351, 2355, 2357, 2363, 2365–2366, 2369, 2378, 2384–2385, 2387, 2389, 2392, 2396–2397, 2403, 2406, 2410, 2413, 2416, 2420, 2422, 2429, 2445, 2468, 2470, 2475–2476, 2505, 2519, 2522, 2524, 2533–2534, 2539, 2544, 2547, 2553, 2555, 2561–2562, 2565, 2570, 2584, 2586, 2588, 2594, 2606, 2613, 2622–2623, 2626, 2631, 2643, 2649–2650, 2654, 2660–2661, 2667, 2670–2671, 2673, 2681, 2683, 2686–2687, 2690, 2696, 2701–2702, 2706, 2711, 2713, 2716, 2723, 2727–2729, 2731, 2734, 2740, 2744, 2746, 2752, 2758–2759, 2764, 2772, 2778, 2782, 2792, 2797, 2801, 2822–2823, 2838, 2840, 2844, 2846, 2853, 2861–2862, 2864, 2866, 2870, 2872, 2874, 2880–2884, 2894, 2898, 2903, 2907, 2910–2911, 2917, 2919, 2925, 2929, 2943, 2950, 2955–2957, 2961–2963, 2967, 2973, 2977–2978, 2983, 2986, 2989–2990, 2994, 3008, 3013, 3017, 3030, 3034, 3036, 3050–3051, 3055, 3061–3062, 3067, 3077, 3079, 3082–3084, 3086, 3093, 3097, 3100, 3105–3106, 3111, 3113, 3119, 3122–3123, 3125–3126, 3131, 3135, 3137–3138, 3140, 3150, 3153, 3155, 3159, 3162, 3168, 3181, 3189, 3198, 3205–3206, 3212, 3219–3222, 3225, 3227–3228, 3251, 3261, 3267, 3272, 3278, 3283–3284, 3288, 3300, 3310, 3312, 3315, 3320, 3336, 3342, 3356, 3359–3360, 3369, 3379, 3392, 3396, 3400, 3409–3410, 3412, 3422–3424, 3427–3429, 3436, 3440–3441, 3464–3468, 3471, 3477, 3482, 3484–3485, 3494, 3496, 3504, 3506–3507, 3530, 3540, 3551, 3553, 3555, 3565, 3572, 3580, 3582, 3586–3587, 3589–3590, 3604, 3606, 3614, 3622, 3628–3629, 3631–3633, 3644, 3646, 3654, 3659, 3661, 3672, 3677–3680, 3684, 3689, 3696, 3699–3700, 3740, 3748, 3758–3759, 3766, 3768, 3772–3773, 3780, 3790–3791, 3795, 3799, 3807, 3813, 3819–3821, 3834, 3844–3845, 3857, 3866, 3876, 3882, 3894, 3899, 3904, 3911, 3916, 3918–3919, 3921, 3924, 3928, 3930, 3933, 3939–3940, 3951, 3955, 3961, 3963–3964, 3968–3969, 3973, 3983, 3985, 3998, 4000, 4002, 4006, 4012, 4020, 4023, 4027–4028, 4032, 4036, 4039, 4041, 4054, 4058, 4062, 4064, 4066–4067, 4075–4077, 4086, 4093–4096, 4102–4103, 4105–4107, 4129, 4131, 4133–4137, 4139, 4142, 4147, 4153, 4156–4157, 4160, 4166, 4173–4176, 4181, 4183, 4187–4188, 4193, 4217–4220, 4224, 4226, 4229, 4231, 4236–4237, 4245, 4251–4252, 4258, 4261, 4266–4267, 4272, 4281, 4297, 4304, 4316, 4324, 4328, 4337, 4345, 4357, 4363–4364, 4367, 4371, 4380, 4384–4385, 4401, 4409

RATS, INBRED F344: 420

RATS, INBRED LEW: 4272

RATS, INBRED STRAINS: 322, 404, 478, 714, 941, 1053, 1146, 1459, 2524, 3506, 3799, 4039, 4137, 4219, 4272

RAYNAUD'S DISEASE: 642, 3349, 3705

REACTION TIME: 178, 1029, 1991, 2121, 2415, 2690, 2830, 3074, 3305, 3427, 3440, 3504, 4009

REAGENT KITS, DIAGNOSTIC: 126, 511, 1063, 1791, 2037, 2099, 2112–2113, 2217, 2572, 2589, 2666, 2694, 2821, 2832, 2893, 2900, 3158, 3449, 3562, 3850, 3855, 3964, 4418

RECALL: 720

RECEPTORS, ADRENERGIC: 29, 53, 125, 598, 602, 1056, 1067, 1437–1439, 1624, 1701, 1793, 1841, 1967, 2003, 2313, 2445, 2602, 2716, 3079, 3120, 3131, 3285, 3653, 3696, 3708, 3930, 4032, 4057, 4121, 4129, 4208, 4297

RECEPTORS, ADRENERGIC, ALPHA: 29, 53, 1164, 1841, 1967, 3079, 3285, 3292, 4057, 4129

RECEPTORS, ADRENERGIC, BETA: 29, 125, 347, 602, 1010, 1067, 1423, 1437–1439, 1624, 1793, 1841, 1967, 2003, 2313, 2716, 3068, 3079, 3131, 3285, 3338, 3653, 3696, 3930, 4057, 4186, 4208, 4297

RECEPTORS, ANDROGEN: 491, 594, 834, 1233, 1342, 1863–1864, 2171, 2475, 2706, 2907, 3508, 3584, 3772, 4113, 4146

RECEPTORS, ANGIOTENSIN: 928, 1130, 1282, 1701, 3127, 3659

RECEPTORS, CHOLINERGIC: 111, 300, 1634, 1726, 2042, 2684, 2877, 3507, 3551

RECEPTORS, CONCANAVALIN A: 3653

RECEPTORS, CYCLIC AMP: 1005, 1289, 1403, 2783, 3229, 3385

RECEPTORS, DOPAMINE: 300, 451, 548, 1237, 1276, 1634, 2120, 2412, 2766, 3644, 3873, 3940, 4188

RECEPTORS, DRUG: 324, 772, 897, 1368, 2119, 2178, 2849, 3532, 4043

RECEPTORS, ESTROGEN: 37, 363, 659, 700, 924, 1006–1007, 1074, 1089, 1111–1112, 1207, 1233, 1269, 1579, 1645, 1847, 1905, 1999, 2071, 2171, 2219, 2359, 2399, 2475, 2601, 2603, 2726, 2858, 2881, 2951, 3021, 3024, 3756, 3956, 3963, 4090, 4211, 4224

RECEPTORS, GLUCOCORTICOID: 660, 921, 1694, 1932, 2475, 2792, 2879, 3115–3116, 3336, 3721

RECEPTORS, HISTAMINE: 206, 3293, 3656

RECEPTORS, HISTAMINE H1: 206, 3292–3293, 3656

RECEPTORS, HISTAMINE H2: 3292, 3656

RECEPTORS, HORMONE: 13, 152, 168, 224, 302, 394, 485, 610, 692, 696, 736, 758, 770, 784, 839, 928, 1017, 1116, 1128, 1130, 1136, 1194, 1232, 1282, 1531, 1589, 1829, 1899, 2067, 2239, 2298, 2312, 2317, 2340, 2413, 2460, 2497, 2601, 2796, 2849, 2894, 2977–2978, 3360, 3400, 3537, 3646, 3737, 3768, 3921, 4077, 4213, 4252, 4401

RECEPTORS, INSULIN: 302, 2413, 2857, 3759

RECEPTORS, MUSCARINIC: 3292, 3355

RECEPTORS, NARCOTIC: 674, 870, 1773, 3703, 3873, 4075

RECEPTORS, NICOTINIC: 111, 435, 1477, 2042, 2684, 3355, 3551, 3983

RECEPTORS, PROGESTERONE: 37, 1043, 1096, 1645, 1847, 1888, 1975, 2475, 3735

RECEPTORS, PROSTAGLANDIN: 2849, 4037

RECEPTORS, SENSORY: 2119

RECEPTORS, SEROTONIN: 300, 423, 1191, 1209, 1276, 1634, 1831, 1970, 2397, 2412, 2420, 2728, 3206, 3504

RECEPTORS, STEROID: 492, 534, 660, 1006, 1075, 1233, 1342, 1863–1864, 1932, 1975, 2171, 2475, 2706, 2792, 2879, 3115, 3336, 3508, 3584, 3639, 3721, 4212

RECOMBINATION, GENETIC: 1049

RECTAL NEOPLASMS: 388, 629

RECTOCOLITIS: 412

RECTUM: 1750, 3876, 4309, 4357

RECURRENCE: 95, 166, 228, 299, 359, 601, 722, 1369, 1412, 1696, 1698, 2047, 2441, 2819, 2939, 3171, 3778, 3817, 3934, 3991, 4125, 4235, 4253

RECURRENT LARYNGEAL NERVE: 213, 1839, 2156

RED NUCLEUS: 2075, 2504

REFERRAL AND CONSULTATION: 4170

REFLEX: 807, 2141, 2533, 3448, 3456, 4009

REFLEX, ABNORMAL: 495

REFRIGERATION: 2217
REFSUM'S SYNDROME: 61
REGENERATION: 1846
REGIONAL BLOOD FLOW: 8, 16, 82, 98, 138, 308, 698, 825, 894, 1070, 1169, 1336, 1378, 1603, 1687, 1744, 2190, 2410, 2575, 2880, 3029, 3124, 3276, 3455, 4228, 4246, 4341
REGISTRIES: 2546, 2677
REGRESSION ANALYSIS: 2090, 2647
REIMPLANTATION: 291, 1577, 1610, 2685, 4296
REINFORCEMENT (PSYCHOLOGY): 1430, 3113, 3440
REINFORCEMENT SCHEDULE: 2995
RELAPSING FEVER: 536
RELATIVE BIOLOGICAL EFFECTIVENESS: 1247, 1521, 3585
RELAXATION TECHNICS: 1874–1875, 2559
RELAXIN: 3759
REMISSION: 54, 114, 448, 498, 600–601, 767, 790, 890, 1504, 1558, 1716, 2069, 2151, 2174, 2364, 2370, 2444, 2540, 2610, 2641, 2730, 2863, 2865, 3175, 3274, 3453, 3498, 3824, 3988, 4011, 4125, 4262, 4330
RENAL ARTERY: 18, 590, 971, 2199, 3505, 3787, 4013, 4164
RENAL ARTERY OBSTRUCTION: 941, 3900
RENAL ARTERY STENOSIS: 941, 1461, 1603, 2301, 2372, 3505, 3900
RENAL OSTEODYSTROPHY: 310, 439, 1532, 1588, 2053, 3328, 3573, 4200, 4275
RENAL TUBULAR TRANSPORT, INBORN ERRORS: 1538, 3573
RENAL VEINS: 395, 1603, 2275, 2372, 2381
RENIN: 16, 18, 55, 82, 210, 230, 264, 266, 296, 308–309, 319–320, 351, 373, 395, 446, 471, 497, 545, 589–590, 646, 676, 708, 742, 786, 791, 807, 886, 894, 1003, 1023, 1030, 1054, 1069, 1080, 1120, 1139, 1147, 1165, 1167–1169, 1178, 1220, 1239, 1273, 1278, 1282, 1293, 1298, 1319, 1328, 1461–1462, 1574, 1582, 1603, 1609, 1638–1639, 1687–1688, 1706, 1711, 1721, 1725, 1746, 1769, 1926, 1940, 1962, 1993, 2025, 2036, 2074, 2125, 2133–2134, 2165, 2199, 2275–2276, 2288, 2335, 2360, 2372, 2381, 2418, 2428, 2514, 2542–2543, 2670–2671, 2691, 2701, 2703, 2713, 2773, 2852, 2887–2888, 2929, 2933, 2967, 3029, 3033, 3068, 3097, 3111, 3127, 3145, 3196, 3199, 3238, 3276, 3405, 3444–3445, 3505, 3515, 3522, 3605, 3787, 3794, 3840, 3856, 3870, 3881, 3887, 3931, 3958, 4013, 4030, 4064, 4164, 4205, 4238, 4246–4248, 4270, 4280, 4292, 4327, 4382, 4428
REPRODUCTION: 760, 972, 2373, 2397, 2405, 2533, 2953, 3043, 3269, 3570, 3625, 3791, 4284
REPTILES: 1402, 3486
RESEARCH: 436, 4043
RESEARCH DESIGN: 142, 1612, 1642–1644, 4422
RESERPINE: 73, 93, 257, 832, 1885, 1937, 2009, 2872, 2919, 3230, 3553, 3940
RESINS, SYNTHETIC: 4340
RESORCINOLS: 192, 1510, 1751, 2687, 3052, 3542, 4027
RESPIRATION: 222, 471, 1700, 2685, 3001, 3109, 3358, 4243
RESPIRATION, ARTIFICIAL: 2, 2521, 2906, 3303
RESPIRATORY CENTER: 257, 3109
RESPIRATORY DISTRESS SYNDROME: 1126, 2600, 2754, 2999, 3031, 4349
RESPIRATORY DISTRESS SYNDROME, ADULT: 7
RESPIRATORY FUNCTION TESTS: 33, 1541
RESPIRATORY HYPERSENSITIVITY: 945, 1119, 2409
RESPIRATORY INSUFFICIENCY: 609, 3897
RESPIRATORY SYSTEM: 257, 2756, 4145
RESPIRATORY THERAPY: 2621, 3303
RESPIRATORY TRACT DISEASES: 523, 537, 1149
RESPIRATORY TRACT INFECTIONS: 2499
RESTRAINT, PHYSICAL: 1916, 2175, 2553, 2862
RETE TESTIS: 3205
RETENTION: 3125
RETICULAR FORMATION: 269, 354, 671, 1681, 2075, 2121, 2154, 2504, 2660, 3440
RETICULIN: 2077
RETICULOCYTES: 1564, 2610, 3607
RETICULOENDOTHELIAL SYSTEM: 740, 2077, 3986
RETICULOENDOTHELIOSIS: 69, 1505, 1629, 2091, 2656, 3213
RETINA: 724, 1145, 1486, 1661, 3852, 3866
RETINAL ARTERY: 1055, 1844
RETINAL DEGENERATION: 2293
RETINAL DISEASES: 2931, 3180, 4294
RETINAL PIGMENTS: 1052, 1085, 1117, 3180
RETINAL VEIN: 2233
RETINAL VESSELS: 1593, 4294
RETINALDEHYDE: 30
RETINOBLASTOMA: 69, 1501
RETINOL BINDING PROTEINS: 30, 2973
RETROLENTAL FIBROPLASIA: 184
RETROPERITONEAL NEOPLASMS: 552, 563, 1426, 4022, 4282
RETROSPECTIVE STUDIES: 6, 144, 960, 1163, 2036, 2399, 2492, 3279, 3415, 3779, 4202
REVERSE TRANSCRIPTASE: 1507, 2523
REWARD: 751, 2995
REYE'S SYNDROME: 1584
RH-HR BLOOD-GROUP SYSTEM: 1770
RHABDOMYOSARCOMA: 869, 4396
RHESUS MONKEYS: 72, 122, 222, 424, 892, 1029, 1213, 1689, 1938, 2075, 2689, 3084, 3130, 3483, 3636, 3650, 4230
RHEUMATISM: 472, 832, 2195, 3059
RHODOPSEUDOMONAS: 1489–1490
RHODOPSEUDOMONAS SPHEROIDES: 2659
RHODOPSIN: 343, 1085
RHODOSPIRILLUM RUBRUM: 1489–1490
RHYTHM METHOD: 3727
RIBOFLAVIN DEFICIENCY: 3258, 4365
RIBONUCLEASE: 2797, 4142
RIBONUCLEOPROTEINS: 3217
RIBONUCLEOTIDES: 1481, 2263
RIBOSE: 593
RIBOSOMES: 855, 1153, 1418, 3176
RIBS: 3658, 3712, 4204
RICKETS: 84, 337, 937, 1217, 1312, 1322, 1422, 2095, 2597, 3048, 3368, 3433, 3901
RICKETS, VITAMIN D RESISTANT: 1217, 3573
RISK: 121, 166, 398, 493, 988, 1027, 1247, 1297, 1365, 1591, 1712, 1942, 2256, 2754, 2868, 3112, 3118, 3188, 3510, 3595, 3944, 4087, 4100, 4138, 4239, 4301, 4313, 4414, 4420, 4422, 4445
RNA: 151, 539, 663, 833, 1116, 1243, 1418, 1477, 1557, 1619, 2797, 2811, 3026, 3183, 3668, 3686, 3759, 3864, 3906, 4027, 4041, 4151, 4308, 4355, 4380
RNA, BACTERIAL: 3789
RNA, MESSENGER: 173, 891, 1091, 1116, 1118, 1321, 1673, 1714, 2299, 2643, 2654, 2824, 2883, 3021, 3036–3037, 3607
RNA, NEOPLASM: 1694
RNA POLYMERASE I: 3955
RNA POLYMERASE II: 3731
RNA POLYMERASES: 700, 3217, 3955
RNA, RIBOSOMAL: 2797
RNA, TRANSFER: 3789
RNA, VIRAL: 2473, 3300–3301, 3739
RO 7-2956: 2347
RO 20-1724: 2347, 4151
RODENTICIDES: 3050
RODENTS: 413, 744, 903–904, 2155
RODS AND CONES: 343, 1085, 1117, 2177, 3866
ROOT CANAL FILLING MATERIALS: 847, 1421, 3424
ROOT CANAL THERAPY: 1421
ROSETTE FORMATION: 771, 1053, 1707, 1738, 1790, 3681
ROTENONE: 1258
ROUS SARCOMA VIRUS: 1275
RUBIDIUM: 1726, 2927, 4328
RUMEN: 294, 305
RUPTURE: 2806
RUPTURE, SPONTANEOUS: 1093, 1898, 2262, 2301, 2377, 3246
RURAL POPULATION: 4225
RUTHENIUM RED: 2456
RUTIN: 391

S

SACCHARIN: 4086
SACCHAROMYCES CEREVISIAE: 109, 4279
SAFFLOWER OIL: 579
SALAMANDERS: 2938
SALICYLATES: 208, 333, 437, 633, 3059
SALICYLAZOSULFAPYRIDINE: 412, 998, 1125, 2465, 3695, 4368
SALICYLIC ACIDS: 907
SALIVA: 3347, 3623, 3730, 3896, 4141
SALIVARY GLAND NEOPLASMS: 3825, 4240
SALIVARY GLANDS: 757, 984, 1127, 3334, 3623, 4384
SALIVATION: 1684
SALMON: 1248
SALMONELLA TYPHIMURIUM: 1399, 1909, 3401, 3560
SALMONIDAE: 172, 1182, 1321, 1340, 1789, 3000, 3239, 3598
SALPINGITIS: 1871
SARALASIN: 210, 264, 320, 1054, 1139, 1461, 1603, 1993, 2074, 2275, 2360, 2372, 2381, 2524, 2543, 2670–2671, 2713, 2929, 2967, 3127, 3444, 3522, 3794
SARCOIDOSIS: 146, 556, 1314, 1485, 2300, 2665, 2829, 2932
SARCOLEMMA: 578, 1067, 1359, 2772, 3696, 4290
SARCOMA: 69, 496, 2452, 3511
SARCOMA 180, CROCKER: 3501
SARCOMA, EWING'S: 970
SARCOMA, EXPERIMENTAL: 115, 788, 2481, 2555, 3636
SARCOMA, KAPOSI'S: 1542
SARCOMA, OSTEOGENIC: 788, 2555
SARCOMA, RETICULUM CELL: 448, 500, 3343, 3824
SARCOPLASMIC RETICULUM: 244, 871, 1015, 1018, 1067, 1100, 1151, 1157, 1241, 1395, 2054, 2223, 2456, 2873, 3194, 3471–3472, 3720, 3764, 3836, 3854, 3863, 4290, 4346, 4397
SATIATION: 1451
SCABIES: 4080
SCALING, DENTAL: 2886
SCALP: 4178
SCAPULA: 3718, 4394
SCARLET FEVER: 2556
SCATTERING, RADIATION: 1326, 3638, 4346
SCHIZOPHRENIA: 193, 198, 1072, 1908, 2270, 2388, 2679, 3352, 3891, 4075, 4402
SCHWANN CELLS: 3227
SCIATIC NERVE: 614, 1384
SCIATICA: 6, 1906
SCINTILLATION COUNTERS: 1465, 3869, 4388, 4390
SCLERA: 2103
SCLERODERMA, CIRCUMSCRIBED: 94, 2128
SCLERODERMA, SYSTEMIC: 94, 680, 1249, 3979
SCLEROSIS: 3022
SCOLIOSIS: 1759, 2374, 2425
SCOPOLAMINE: 2059
SCOPOLAMINE DERIVATIVES: 2628
SCORPION VENOMS: 2712
SCRAPIE: 2753
SCROTUM: 3408, 3430
SEA URCHINS: 1299
SEALS: 2514
SEASONS: 270, 396, 467, 564, 658, 903–904, 972, 1071, 1882, 1953, 2155, 2336, 2477, 2737, 3054, 3641, 3667, 3716, 4171, 4225
SEAWATER: 2964–2965, 3273
SEBACEOUS GLANDS: 327, 3772, 3916–3917, 3919
SEBORRHEA: 25, 3498, 3784, 4080
SEBUM: 25, 3916
SECRETIN: 2239, 2257, 3485
SECRETORY RATE: 102, 129, 206, 260, 570, 628, 706, 731, 873, 887, 1250, 1405, 2234, 2245, 2767, 2929, 3148, 3151, 3291, 3375, 3827, 3844, 4083, 4261
SEEDS: 1510
SELECTION (GENETICS): 2269
SELENIUM: 632, 1602
SELF ADMINISTRATION: 2923
SELF ASSESSMENT: 3091
SELF STIMULATION: 751, 1450, 2120, 2661, 3440
SELLA TURCICA: 419, 690, 1961, 2348, 2646, 2717, 3860–3861, 3946, 3962, 3989, 4088, 4405
SEMEN: 1103, 1660, 1863–1864, 2210, 2508, 3801
SEMINAL VESICLES: 1383, 3043, 3409, 3508, 4160, 4281, 4337

SEMINIFEROUS EPITHELIUM: 326, 2810
SEMINIFEROUS TUBULES: 982, 1419, 3329, 3406, 3667, 4234
SEMLIKI FOREST VIRUS: 3788
SENSATION: 3193
SEPHAROSE: 1530, 3608
SEPTAL NUCLEI: 1999, 3650
SEPTICEMIA: 265, 333, 4221
SEPTUM PELLUCIDUM: 89, 796, 1072, 1110, 1356, 3305
SERINE: 728, 1807, 2840, 3168, 4199
SEROTONIN: 8, 14, 41, 60, 100, 176, 198, 252, 257, 263, 300, 338, 352, 356, 372, 401, 415, 423, 425, 549, 620, 625–626, 644, 649, 674, 689, 709, 715–716, 756, 811, 870, 915, 942, 997, 1000, 1041, 1060, 1094, 1114, 1186, 1191, 1199, 1208–1209, 1234, 1248, 1258, 1267, 1272, 1276, 1294, 1316, 1357, 1386, 1393, 1561, 1604, 1634, 1653, 1777, 1812, 1831, 1834, 1852, 1893, 1908, 1933, 1937, 1952, 1970, 2007–2009, 2059, 2076, 2089, 2094, 2117, 2132, 2148, 2184, 2191, 2236–2237, 2250, 2254, 2266, 2270, 2281, 2292, 2339, 2349, 2378, 2384, 2412, 2420–2421, 2449, 2466, 2472, 2480, 2502, 2519, 2544, 2547, 2573, 2587, 2606, 2608, 2683, 2686, 2727–2728, 2744, 2751, 2756, 2823, 2903, 2924, 2976, 3069, 3135, 3167, 3206, 3219, 3289, 3291, 3305, 3422, 3455, 3467, 3504, 3520, 3553, 3621, 3629–3630, 3634, 3654, 3684, 3694, 3734, 3748, 3752, 3780, 3820, 3882, 3891, 3893, 3930, 3951, 4002, 4036, 4041, 4103, 4106–4107, 4136–4137, 4169, 4197, 4222, 4413
SEROTONIN ANTAGONISTS: 715, 1143, 1497, 1653, 1834, 2191, 2254, 2412, 3694, 4169
SERTOLI CELL TUMOR: 1330, 4396
SERTOLI CELLS: 120, 691, 1188, 1657, 1881, 2203, 2810, 3636, 3667
SERUM ALBUMIN: 490, 568, 1639, 2246, 2328, 2539, 3207, 3432, 3608, 3713, 4326
SERUM ALBUMIN, BOVINE: 115, 180, 2137, 2185, 3158, 3541, 3690
SERUM ALBUMIN, RADIO-IODINATED: 337, 4103
SERUM GLOBULINS: 490, 2297, 3207, 3974
SERYLTRIHYDROXY BENZYLHYDRAZINE: 2547, 4229
SESQUITERPENES: 3012, 3236
SEVIN: 1310
SEX: 4119
SEX ATTRACTANTS: 1642, 3918–3919
SEX BEHAVIOR: 205, 489, 693, 1103, 2284, 3091, 3185, 3625
SEX BEHAVIOR, ANIMAL: 242–243, 671, 710, 797, 950, 1191, 1432, 1443, 1534–1535, 1642–1644, 1939, 2141, 2146, 2471, 2902, 3130, 3283, 3315
SEX CHARACTERISTICS: 2425
SEX CHROMATIN: 90, 424, 2107, 2287, 2780, 3096, 3531
SEX CHROMOSOME ABNORMALITIES: 889, 1042, 1090, 1296, 2038, 2592, 3408, 3801, 3839, 4046, 4402–4403
SEX CHROMOSOMES: 116, 375, 748–749, 851, 889, 930, 1300, 1420, 1573, 2107, 2269, 2331, 2482, 2699, 2779–2780, 2889, 2931, 2941, 3141, 3195, 3345, 3531, 3544, 3547, 3557, 3839, 3842, 3926, 4119, 4274, 4332–4333, 4385
SEX DETERMINATION: 2107, 2612, 2769, 3096, 3538, 3926
SEX DEVIATION: 3185
SEX DIFFERENTIATION: 820, 1311, 2612, 3296, 4095
SEX DIFFERENTIATION DISORDERS: 1801, 2135, 2161–2163, 2401, 3185, 3431, 4146
SEX DISORDERS: 583, 1441, 1819
SEX FACTORS: 121, 177, 334, 418, 503, 673, 734, 879, 882, 975, 1095, 1104, 1144, 1311, 1338, 1415, 1472, 1642–1643, 1712, 1761, 1781, 2032, 2050, 2055, 2161–2162, 2388, 2569, 2588, 2599, 2612, 2630, 2648, 2696, 2790, 2892, 2962, 3043, 3221, 3336, 3359, 3374, 3468, 3570, 3597, 3673, 3861, 3864, 3882, 3894, 3908, 3916, 3973, 4092, 4145, 4175, 4180, 4204, 4363, 4381, 4426, 4431, 4433
SEX HORMONE BINDING GLOBULIN: 834, 1242, 1723, 2171, 2907, 3179, 3837
SEX HORMONES: 86, 360, 503, 571, 733, 977, 1002, 1007, 1116, 1242, 1443, 1612, 2067, 2070, 2173, 2569, 2601, 2816, 2899, 3250, 3339, 3397, 3674, 3689, 3795, 3883, 3908, 4046, 4179
SEX MATURATION: 177, 211–212, 671, 1624, 2424–2425, 2746, 2846, 2962, 4020, 4054
SEX RATIO: 2569
SEX REVERSAL, GONADAL: 436, 2423, 2462, 4274
SHARKS: 17, 824, 2008
SHEEHAN'S SYNDROME: 101, 132, 419, 4063
SHEEP: 79–80, 292, 294, 351, 446, 483, 588–589, 706, 728, 816, 1057, 1266, 1458, 1551, 1649, 1655, 1674, 1863–1864, 1904, 2234, 2294, 2311, 2405, 2439, 2478, 2552, 2668, 2722, 3124, 3325, 3461, 3539, 3649, 3678, 3923, 3982, 4150, 4236, 4348
SHIVERING: 2289
SHOCK: 41, 319, 378
SHOCK, CARDIOGENIC: 947
SHOCK, HEMORRHAGIC: 1488, 2639–2640, 3977
SHOCK, SEPTIC: 988, 1032–1035, 1354, 1784, 3324, 3411, 3500, 3720, 3986
SHOCK, TRAUMATIC: 164, 810, 2189, 3110
SHOULDER: 1990
SHOULDER-HAND SYNDROME: 3382
SHOULDER JOINT: 2535, 3382, 4191
SHREWS: 3823
SIALIC ACIDS: 2231, 3818
SIGMOID: 4393
SILICA: 2815, 4001
SILICIC ACID: 2815
SILICON: 865
SILICONES: 361, 3065
SILICOSIS: 3039
SILOXANES: 361
SIMMONDS' DISEASE: 1788
SINDBIS VIRUS: 3086
SINUS THROMBOSIS: 4374
SITOSTEROLS: 2566, 3978
SITUS INVERSUS: 3242
SJOGREN'S SYNDROME: 2770
SKIN: 68, 356, 401, 556, 683, 1078, 1391, 1597, 1692, 1823, 1949, 2267, 2531, 2847, 2931, 2950, 3139, 3143, 3381, 3432, 3448, 3723, 3757, 3772, 4122, 4184, 4265
SKIN ABSORPTION: 611, 1823, 3579, 4110
SKIN DISEASES: 556, 801, 818, 1149, 1382, 1655, 1823, 2225, 2267, 2556, 2739, 2749, 3772, 3825, 4110, 4126, 4184
SKIN DISEASES, BULLOUS: 3363
SKIN DISEASES, INFECTIOUS: 1654
SKIN MANIFESTATIONS: 613, 1249, 1360
SKIN NEOPLASMS: 432, 613, 1078, 1124, 1363, 1519, 2014, 2026, 3213, 4314, 4351
SKIN PIGMENTATION: 2374, 2918, 2931, 3917
SKIN TEMPERATURE: 169, 4266
SKIN TESTS: 472, 1119, 1840
SKIN ULCER: 958, 2913
SKULL: 1245, 1259, 1264, 1741, 2147, 2333, 2459, 2534, 2760, 2777, 3798
SKULL FRACTURES: 1238
SKULL NEOPLASMS: 1244–1245, 2992
SLEEP: 40, 129, 415, 1026, 1852, 1874–1875, 2628, 2679, 2738, 2767, 2989, 2993, 3437, 3967
SLEEP DEPRIVATION: 4325
SLEEP DISORDERS: 1941, 4356
SLEEP, REM: 415, 2993, 4243
SLEEP STAGES: 2767, 2830
SLIME MOLDS: 2216
SMELL: 2216, 2685
SMOKE: 3291, 3826
SMOKING: 121, 431, 575, 1297, 1556, 1879, 2334, 2339, 2677, 2684, 2790, 3295, 3361, 3595, 3826
SNAKES: 658, 2970
SOCIAL ADJUSTMENT: 1806
SOCIAL BEHAVIOR: 2559, 2962
SOCIAL CLASS: 295
SOCIAL DOMINANCE: 454
SOCIAL ENVIRONMENT: 1383
SOCIAL ISOLATION: 699, 1383, 3043
SOCIAL PERCEPTION: 2153
SOCIETIES, MEDICAL: 2110, 4441
SOCIOECONOMIC FACTORS: 205, 1297, 1734, 2649, 3045
SODIUM: 28, 38, 77, 127, 145, 174, 210, 294, 312, 319, 351, 446, 470, 543, 576, 657, 743, 745, 791, 848, 886, 941, 967, 1052, 1069–1070, 1080, 1128, 1157, 1178, 1220, 1232, 1255, 1280, 1327, 1337, 1395, 1408, 1410, 1444, 1461, 1582, 1609, 1638, 1722, 1726, 1900, 1982, 1993, 2010, 2035–2036, 2102, 2125, 2181, 2275, 2363, 2381–2382, 2387, 2404, 2410, 2469, 2514, 2541–2542, 2575, 2583, 2773, 2775, 2847, 2938, 2964, 2982, 3008, 3029, 3033, 3097, 3162, 3215, 3238, 3266, 3273, 3294, 3316, 3327, 3330, 3429, 3445, 3621, 3644, 3655, 3687, 3703, 3763, 3814, 3931, 4000, 4030, 4163, 4205, 4246, 4328, 4348, 4408
SODIUM CHLORIDE: 461, 678, 745, 857, 1461, 1538, 1725, 1962, 2125, 2133, 2182, 2216, 2360, 2645, 2927, 3114, 3162, 3221, 3238, 3598, 3819, 3930
SODIUM DODECYL SULFATE: 624
SODIUM ETIDRONATE: 335, 392–393
SODIUM FLUORIDE: 216, 481, 1493, 1931, 1992, 2194, 3773
SODIUM GLUTAMATE: 931, 3851–3852
SODIUM RADIOISOTOPES: 209, 574, 2927
SOFT TISSUE NEOPLASMS: 69
SOLUBILITY: 63, 279, 323, 1073, 1180, 1218, 1376, 1796, 2149, 2254, 2853, 3351, 3354, 3512, 3517, 3536, 3579, 3863
SOLUTIONS: 1407, 2788, 3936, 3968, 4368
SOLVENTS: 568, 3579
SOMATOMEDIN: 3590, 4214
SOMATOSENSORY CORTEX: 2154
SOMATOTROPIN: 44, 129, 133, 136–137, 140, 151, 219, 262, 302, 314, 360, 400, 476, 485, 561, 566, 682, 1004, 1050, 1091, 1101, 1212, 1251, 1298, 1303, 1308, 1335, 1536, 1553–1555, 1584, 1712, 1760, 1873, 1892, 1923, 2057, 2106, 2221, 2261, 2278, 2357, 2366, 2369, 2400, 2412, 2424, 2628, 2637, 2649, 2767, 2894, 2947, 2993, 3005, 3122–3123, 3129, 3223, 3225, 3249, 3253, 3288, 3426, 3458, 3514, 3520, 3585, 3590, 3668, 3967, 3982, 4077, 4133, 4214, 4261, 4273, 4300, 4367
SOMATOTROPIN RELEASE INHIBITING HORMONE: 364, 485, 1405, 1452, 1455, 2257, 2369, 2668, 2860, 2871, 3225, 3253, 3360, 3967, 4077, 4133, 4261, 4316, 4367
SOMATOTROPIN RELEASING HORMONE: 2271, 2561
SORBITOL: 63, 893
SOTALOL: 2194, 3001
SOY BEANS: 266, 3791
SPACE FLIGHT: 3198
SPARGANOSIS: 3122–3123
SPARGANUM: 3122–3123
SPASM: 1545, 3246, 3629
SPASMS, INFANTILE: 4260
SPECIES SPECIFICITY: 13, 242, 283, 400, 586, 610, 728, 972, 975, 1183, 1193, 1207, 1388, 1392, 1464, 1490, 1510, 1607, 1674, 1869, 1958, 2383, 2385, 2442, 2482, 2497, 2562, 2624, 2689, 2870, 2953, 3017, 3111, 3114, 3359, 3512, 3537, 3694, 3768, 3917, 4012, 4328, 4363, 4394
SPECIFIC PATHOGEN FREE: 2617
SPECIMEN HANDLING: 486, 786, 1966
SPECTROMETRY, FLUORESCENCE: 588, 824, 991, 1018, 1279, 1293, 1361, 1632, 1774, 1886, 2054, 2295, 2330, 2998, 3284, 3349, 3489, 3582, 3753, 4203
SPECTROPHOTOMETRY: 464, 1425, 1807, 2698, 3471
SPECTROPHOTOMETRY, ATOMIC ABSORPTION: 657, 2496
SPECTROPHOTOMETRY, INFRARED: 636, 643, 2139, 3260
SPECTROPHOTOMETRY, ULTRAVIOLET: 643, 645, 1361, 1425
SPECTRUM ANALYSIS: 244, 2105, 2973, 3299
SPECTRUM ANALYSIS, MASS: 643, 857, 897, 912–913, 1223, 1868, 2581, 3542, 3576, 3611, 3890, 3995
SPECTRUM ANALYSIS, RAMAN: 3260
SPERM AGGLUTINATION: 1441
SPERM CAPACITATION: 3280, 3603, 4375
SPERM HEAD: 2617
SPERM MATURATION: 895, 1441, 4375
SPERM MOTILITY: 1441, 3121, 4375
SPERM TRANSPORT: 1848, 4375
SPERMATIC CORD: 849
SPERMATIDS: 120, 3667
SPERMATOCYTES: 1090, 3667
SPERMATOGENESIS: 1, 120, 1103, 1441, 1904, 2562, 2737, 3526, 4375
SPERMATOGONIA: 2617, 3667
SPERMATOZOA: 120, 744, 841–842, 895, 951, 1090, 1103, 1299, 1904, 2562, 2617, 2737, 2810, 3073, 3409, 3603, 3667, 3942–3943, 4375
SPERMIDINE: 1226, 1619, 1690
SPERMINE: 1619, 1690
SPHENOID BONE: 1101, 1257, 2278, 3657
SPHENOID SINUS: 531, 1303, 1961, 2012, 2230, 3945–3946
SPHINGOMYELINS: 2754, 4014

SPICES: 2957
SPIDER VENOMS: 1410
SPIN LABELS: 3713
SPINAL CORD: 614, 627, 870, 1298, 1661, 2075, 2503–2504, 2573, 2636, 2756, 3448, 3662, 4341
SPINAL CORD COMPRESSION: 793, 1351
SPINAL CORD INJURIES: 4341
SPINAL CORD NEOPLASMS: 1492, 3719
SPINAL DISEASES: 823, 1466
SPINAL NEOPLASMS: 1286, 1351
SPINAL NERVE ROOTS: 178
SPINAL NERVES: 2573
SPINE: 1524, 3712, 3718
SPIRAMYCIN: 1672
SPIRO COMPOUNDS: 2998, 3236, 3364, 3811
SPIROCHAETA: 4370
SPIROCHETE INFECTIONS: 4370
SPIROMETRY: 257
SPIRONOLACTONE: 22, 55, 399, 477, 567, 650, 660, 770, 832, 843, 1147, 1273, 1282, 2081, 2775, 3238, 4408
SPLANCHNIC NERVES: 3840
SPLEEN: 8, 20, 61, 96, 291, 576, 580, 750, 1044, 1376, 1403, 1522, 1524, 1672, 1986, 2041, 2184, 2333, 2667, 2734, 2845, 2946, 2987, 3092, 3122, 3167, 3396, 3565, 3619, 3714, 3812, 3864, 4140, 4151, 4248, 4379
SPLENECTOMY: 291, 455, 2222, 2979, 3396, 3817, 3934, 3979
SPLENIC DISEASES: 184, 291, 455, 3403
SPLENIC NEOPLASMS: 4282
SPLENOMEGALY: 3322
SPONDYLITIS, ANKYLOSING: 472, 1131, 1427
SPORES, BACTERIAL: 2833
SPOROTRICHOSIS: 2629
SPORT MEDICINE: 2161–2165, 2163
SPORTS: 2163, 3470
SPUTUM: 3878
SQ 20009: 2362, 2554
SQ 20881: 1461, 1993, 2275, 2360, 3794, 4164
SQUID: 174–175, 464, 470
SQUIRREL MONKEYS: 1669, 1674
SQUIRRELS: 3359
SRS-A: 2111
STAINS AND STAINING: 790, 1296, 2422, 2619, 2924, 3100, 3157, 3176, 3768, 4309
STANOLONE: 383, 421, 456, 594, 834, 908, 918, 951, 1161, 1242, 1277, 1342, 1443, 1529, 1723, 1802, 1836, 1863–1864, 1975, 2064, 2171, 2706, 2736, 2899, 2902, 2907, 3054, 3130, 3202, 3205, 3283, 3296, 3409, 3508, 3580, 3772, 3899, 4160, 4178, 4230
STAPES SURGERY: 2215
STAPHYLOCOCCAL INFECTIONS: 437, 1756, 2485, 2516, 2707
STAPHYLOCOCCUS: 2516
STAPHYLOCOCCUS AUREUS: 2485, 2516
STARCH: 3925
STARFISH: 1299
STARVATION: 830, 1328, 2178, 2321, 4259
STATISTICS: 657, 714, 981, 1095, 1320, 2411, 2831, 3846
STEARATES: 2386
STEARIC ACIDS: 3178
STEIN-LEVENTHAL SYNDROME: 442, 1980, 2024, 3201, 3240, 4156
STELLATE GANGLION: 614
STEREOISOMERS: 229, 1267, 1317, 1773, 2687, 3131, 3642, 4297
STEREOTAXIC TECHNICS: 870, 3152, 3469, 3924
STEREOTYPED BEHAVIOR: 1276, 2816, 2823, 2961, 3113
STERILITY, FEMALE: 3, 12, 328, 453, 836, 888, 1172, 1200, 1366, 1591, 1816, 2086, 2097, 2316–2317, 2664, 3187, 3248, 3265, 3308, 3446, 3478, 3568, 3774, 3783, 4171, 4406
STERILITY, MALE: 763, 1090, 1441, 1657, 1724, 2097, 2210, 2332, 3073, 3121, 3373, 3463, 3547, 3676, 3831, 3875, 4085
STERILIZATION REVERSAL: 3727
STERILIZATION, TUBAL: 2282, 3727
STERNOCLAVICULAR JOINT: 2675
STEROID-11-HYDROXYLASE: 2160
STEROID-17-HYDROXYLASE: 2200
STEROID-21-HYDROXYLASE: 2160, 3890
STEROID HYDROXYLASES: 1220, 1767, 2200, 2206, 2571, 2969, 3890, 4046
STEROIDS: 150, 160, 353, 491, 579, 597, 692, 944, 1045, 1116, 1119, 1131, 1161, 1354, 1465, 1683, 1705, 1826, 1849, 1906, 2100, 2136, 2311, 2831, 3032, 3236, 3358, 3517, 3537, 3580, 3713, 3887, 3978–3979, 4213, 4256, 4283, 4341, 4412, 4418
STEROIDS, CHLORINATED: 1353
STEROIDS, FLUORINATED: 519, 1654, 3032, 3348
STEROLS: 109, 632, 2311, 3391
STEVENS-JOHNSON SYNDROME: 2708
STIGMASTEROL: 2566
STILBENES: 3063, 3163
STIMULATION, CHEMICAL: 93, 162–163, 223, 250, 387, 446, 532, 607, 616, 621, 661, 756, 769, 797, 901, 1080, 1208, 1266, 1464, 1590, 1798, 1858, 1902, 2013, 2030, 2118, 2193, 2510, 2623, 2684, 2766, 2989, 3165, 3212, 3219, 3514, 3587, 3656, 3885, 3955, 4098, 4328, 4376
STOMACH: 206, 437, 1235, 1937, 2872, 4169, 4380
STOMACH DISEASES: 4380
STOMACH NEOPLASMS: 388, 1963, 2257, 2515
STOMACH ULCER: 2630, 2872
STOMATITIS: 437, 2708
STOMATITIS, APHTHOUS: 3651
STRABISMUS: 2799
STREPTOCOCCUS: 2233
STREPTOCOCCUS AGALACTIAE: 385
STREPTOCOCCUS FAECALIS: 385
STREPTODORNASE AND STREPTOKINASE: 3640
STREPTOKINASE: 971, 2233
STREPTOMYCIN: 1665, 1690
STREPTOZOTOCIN: 4192
STRESS: 48, 201, 338, 400, 547, 820, 969, 1430–1431, 1818, 1996, 2136, 2180, 2383, 2539, 2630, 2650, 2762, 2861, 2910, 3111, 3126, 3159, 3392, 3622, 3894, 3924, 3982, 4133, 4395
STRESS, MECHANICAL: 2484
STRESS, PSYCHOLOGICAL: 373, 734, 2034, 3288, 3342, 3679, 4009, 4117, 4298
STRONGYLOIDES: 4267
STRONGYLOIDIASIS: 2731, 4267
STRONTIUM: 865, 3119, 3263
STRONTIUM RADIOISOTOPES: 1158
STROPHANTHIDIN: 59
STRUCTURE-ACTIVITY RELATIONSHIP: 72, 160, 168, 233, 353, 392, 534, 735, 884, 919, 990, 1024, 1130, 1220, 1491, 1508, 1589, 1625, 1727, 1826, 1860, 1863, 1919, 2137, 2311, 2327, 2330, 2357, 2359, 2369, 2384, 2673, 3038, 3163, 3537, 3584, 3737, 3759, 3773, 3917, 4026, 4077, 4212, 4343
STRUMA OVARII: 752, 1566
STURGE-WEBER SYNDROME: 1081
SUBARACHNOID HEMORRHAGE: 100
SUBARACHNOID SPACE: 6, 1257, 2573
SUBCELLULAR FRACTIONS: 217, 322, 358, 784, 892, 1193, 1321, 1899, 1981, 2098, 2205, 2659, 2963, 3158, 3178, 3512, 3686, 3933, 4311
SUBCLAVIAN ARTERY: 3404
SUBCOMMISSURAL ORGAN: 4181
SUBFORNICAL ORGAN: 549, 2146, 3127, 3659, 4181
SUBMANDIBULAR GLAND: 975, 2564, 2825, 3452, 4362
SUBSTANCE P: 625, 1062, 1476, 2835, 2983, 3467, 3748
SUBSTANTIA GELATINOSA: 362
SUBSTANTIA NIGRA: 108, 1109–1110, 1476, 2120, 2660, 2961, 3748
SUBSTRATE SPECIFICITY: 542, 762, 881, 946, 1020, 2080, 2134, 2177, 2210, 2404, 2449, 3438, 3582, 3660, 3858, 3928, 3976
SUCCINATE DEHYDROGENASE: 244, 1241, 2013, 4162
SUCCINATES: 175, 229, 1523, 1978, 3691, 3974–3975
SUCCINIMIDES: 504, 1361
SUCKING BEHAVIOR: 2903
SUCROSE: 63, 751, 1451, 2456, 3113–3114
SUCTION: 2101
SUGAR ACIDS: 3770
SUGAR ALCOHOLS: 63
SUICIDE, ATTEMPTED: 1003
SULBENICILLIN: 1777
SULFADIAZINE: 1231
SULFAMETHOXAZOLE: 2499, 2629
SULFATASES: 2100, 3744
SULFATES: 2932, 3395, 3411
SULFATIDES: 1804
SULFHYDRYL COMPOUNDS: 787, 3278
SULFHYDRYL REAGENTS: 787, 1690
SULFIDES: 1792
SULFINPYRAZONE: 609, 3420
SULFOBROMOPHTHALEIN: 2050
SULFONAMIDES: 1672, 2819
SULFONES: 3363
SULFONYLUREA COMPOUNDS: 596, 1453
SULFOXIDES: 270, 4341
SULFUR: 3789
SULFUR RADIOISOTOPES: 1825
SULFURIC ACID ESTERS: 911
SULFURIC ACIDS: 2804
SULFURTRANSFERASES: 480
SULPIRIDE: 872, 977, 2517, 4083
SULTHIAME: 504
SUNBURN: 1692, 3319
SUPERIOR COLLICULUS: 3486
SUPEROVULATION: 2768
SUPEROXIDE: 1621, 3760
SUPEROXIDE DISMUTASE: 2795
SUPPOSITORIES: 188, 1838, 3417
SUPPURATION: 3259
SUPRAOPTIC NUCLEUS: 1415, 1432, 1486–1487, 2175, 2337, 2746, 3053, 3412, 3903, 4036, 4135
SURAL NERVE: 2939
SURFACE PROPERTIES: 884, 3386, 3525, 3750
SURGERY, OPERATIVE: 319, 332, 969, 1051, 1784, 3111, 4149
SURGERY, PLASTIC: 4444
SURGICAL INSTRUMENTS: 531
SURGICAL WOUND INFECTION: 2301, 3528
SUSPENSIONS: 1425
SV40 VIRUS: 668, 1275
SWINE: 68, 297, 334, 480, 490, 501, 554, 717–718, 728, 884, 982, 990, 1010, 1193, 1205, 1293, 1506, 1739, 1864, 1985, 2253, 2373, 2437, 2449, 2497, 2699, 2837, 2841, 2922, 2952, 3042, 3052, 3177, 3187, 3203, 3326, 3406, 3481, 3611, 3639, 3649, 4012, 4171, 4182, 4265, 4339
SWINE DISEASES: 2677, 4171
SYMPATHECTOMY: 28, 1290, 1937, 2337, 3840
SYMPATHETIC NERVOUS SYSTEM: 69, 278, 313, 364, 1013, 1080, 1208–1209, 1290, 1459, 1462, 1638, 1701, 1885, 1933, 2154, 2264, 2321, 2336, 2631, 2751, 3029, 3068, 3135, 3429, 3622, 3903, 4073, 4099, 4238, 4290
SYMPATHOLYTICS: 1099, 1304, 2197, 2361
SYMPATHOMIMETICS: 1021–1022, 3064, 3765, 4437
SYNAPSES: 111, 347, 662, 674, 1477, 1486–1487, 1681, 2586, 2901, 3983
SYNAPTIC MEMBRANES: 2188, 2472, 3168, 3644, 4199
SYNAPTIC RECEPTORS: 716, 1094
SYNAPTIC VESICLES: 1486–1487, 1917
SYNAPTOSOMES: 292, 423, 858, 1025, 1230, 2218, 2254, 2686, 2963, 3168, 3228, 3553, 3644, 3694, 4153, 4293
SYNDROME: 65, 123, 286, 309, 386, 432, 459, 495, 508, 536, 605, 811, 1019, 1047, 1092, 1177, 1249, 1259, 1301, 1305, 1307, 1485, 1501, 1538, 1626–1627, 1651, 1657, 1659, 1764, 1783, 1787, 1808, 1815, 1876, 1884, 1911, 1990, 2014, 2017, 2019, 2026, 2044–2045, 2063, 2083–2084, 2103, 2142, 2147, 2187, 2192, 2200, 2214, 2302, 2452, 2563, 2591, 2634, 2651, 2653, 2703, 2741, 2748, 2786, 2808, 2871, 2914, 2975, 2996, 3022, 3081, 3180, 3382, 3499, 3548, 3558, 3606, 3610, 3634, 3702, 3712, 3849, 3914, 3927, 3935, 3950, 4024–4025, 4046, 4126, 4351, 4358
SYNOVIAL FLUID: 944, 1821, 3528, 3891
SYNOVIAL MEMBRANE: 4089
SYNOVITIS: 102, 1083, 1433, 3695
SYPHILIS: 1617
SYPHILIS, CONGENITAL: 1617

T

TABLETS: 63, 843, 2774
TACHYCARDIA: 1748
TACHYPHYLAXIS: 1797, 3906
TAIL: 3793
TAKAYASU SYNDROME: 1813, 3671, 3900
TAMOXIFEN: 498, 918, 1150, 2219, 3067, 3568, 4211, 4268, 4416
TARS: 3640
TARSAL BONES: 1741

TASK PERFORMANCE AND ANALYSIS: 734
TASTE: 745, 751, 1253, 1451, 2216, 2292, 2755, 3113–3114, 3125, 3535
TASTE BUDS: 3114
TASTE THRESHOLD: 745, 3113
TAURINE: 1708, 3477, 3521, 4227
TAUROCHOLIC ACID: 1686
TEARS: 65
TECHNETIUM: 227, 585, 1179, 1244, 1256, 1585, 2228, 2333, 2443, 2930, 3718, 3816, 3964, 3992, 4072, 4255, 4334
TECHNOLOGY, DENTAL: 3750
TECHNOLOGY, RADIOLOGIC: 2916, 4069
TEGMENTUM MESENCEPHALI: 627, 1109–1110, 2120
TELANGIECTASIS: 1092, 2083, 2192, 3935
TELENCEPHALON: 2728, 3551, 4076
TELEVISION: 3769
TEMPERATURE: 70, 129, 131, 172, 222, 263, 352, 486, 635, 668, 834, 836, 839, 1036, 1278, 1604, 1607, 1762, 1834, 1932, 2054, 2177, 2217, 2336, 2358, 2396, 2518, 2926, 2998, 3115, 3194, 3196, 3306, 3308, 3508, 3518, 3926, 3948, 3982, 4143, 4153, 4428
TEMPLATES: 2523
TEMPORAL ARTERIES: 60, 2675
TEMPORAL ARTERITIS: 720, 1737, 1903, 1906, 2662
TEMPORAL LOBE: 354, 1072
TENDINITIS: 3382
TENDON INJURIES: 2806
TENDONS: 2720, 2806
TENDONS, PARA-ARTICULAR: 2464
TENOSYNOVITIS: 1627
TENSILE STRENGTH: 1742
TERATOGENS: 184, 907, 1560, 2422, 2870, 2916, 3017, 3034, 3100, 3213, 3769, 3791, 4012
TERATOID TUMOR: 69, 430, 482, 552, 679, 684, 910, 1016, 1049, 1123, 1204, 1419, 1426, 1473, 1668, 1897, 2304, 2416, 2450, 2757, 3256, 3349, 3618, 3705, 3719, 4124, 4386, 4396
TERBIUM: 2330
TERBUTALINE: 530, 707, 3001, 3497, 4186
TESTICULAR DISEASES: 520, 1188, 1441, 1798, 1815, 2203, 2332, 2516, 3601
TESTICULAR FEMINIZATION: 2401, 2574, 2908, 3143, 3431, 3736
TESTICULAR HORMONES: 1798, 4150
TESTICULAR NEOPLASMS: 154, 165, 388, 430, 475, 482, 500, 552, 563, 642, 679, 684, 1016, 1068, 1078, 1123, 1363, 1419, 1473, 1519, 1595, 1668, 1680, 1713, 1772, 1850, 1856, 1897, 2226, 2304, 2450, 2494, 2645, 2757, 2895, 3075, 3204, 3233, 3235, 3309, 3349, 3430, 3676, 3705, 3742, 3745, 3867, 4124, 4179, 4396, 4430
TESTIS: 1, 23, 30, 99, 148, 177, 179, 211–212, 311, 318, 326, 482, 484, 507, 521, 572, 584, 605, 637, 669, 677, 679, 693, 736, 744, 808, 820, 825, 860, 916, 935, 946, 1066, 1073, 1076, 1078, 1129, 1148, 1222, 1246, 1321, 1331, 1416, 1418–1419, 1496, 1521–1522, 1601, 1657–1658, 1660, 1723, 1754, 1801, 1804, 1825, 1854, 1863, 1881, 1904, 1949, 1953, 1959, 2027, 2060, 2205, 2311, 2332, 2352, 2497, 2516, 2562, 2617, 2681, 2729, 2737, 2810, 2841–2842, 2853, 2941, 2973, 3010, 3020, 3023, 3076, 3078, 3153, 3205, 3287, 3295, 3329, 3374, 3406, 3408, 3438–3439, 3454, 3463–3464, 3466, 3518, 3526, 3582, 3601, 3611, 3636, 3641, 3661, 3667, 3674, 3676, 3689, 3781, 3801, 3933, 3984, 4146, 4150, 4160, 4230, 4234, 4281, 4350, 4352–4353, 4370, 4375, 4385, 4401
TESTOSTERONE: 1, 5, 64, 79–80, 86, 122, 129, 134, 163, 242–243, 353, 383, 389, 406–407, 421, 447, 489, 503, 525, 538, 571–572, 628, 634, 667, 669, 671, 692–693, 699, 706, 731, 741, 763–764, 825, 834, 873, 909, 916, 961, 975, 1005, 1016, 1068, 1148, 1160–1161, 1188, 1212, 1215, 1222, 1242, 1331, 1335, 1388, 1409, 1415, 1431, 1443, 1465, 1494, 1529, 1531, 1556, 1619, 1644, 1716, 1758, 1798, 1802, 1829, 1836, 1850, 1863, 1874, 1939, 1980, 2013, 2064, 2070, 2073, 2145, 2171, 2244–2245, 2284, 2352, 2383, 2458, 2471, 2479, 2564, 2567, 2574, 2588, 2616, 2706, 2711, 2722, 2736, 2745, 2750, 2797, 2824–2825, 2839, 2841–2842, 2894, 2899, 2902, 2907, 2962, 3010, 3036, 3054, 3091–3092, 3130, 3184, 3201–3202, 3205, 3207, 3283, 3296, 3400, 3409, 3470, 3572, 3580, 3601, 3672, 3674, 3757, 3772, 3800–3801, 3831, 3837, 3898–3899, 3902, 3904, 3916–3917, 3966, 4046, 4054, 4092, 4095, 4194, 4209–4210, 4230, 4331, 4352, 4363, 4401
TESTOSTERONE 5-ALPHA-REDUCTASE: 892, 2064, 3143, 3205, 3904
TESTOSTERONE DEHYDROGENASES: 3858
TETANUS TOXIN: 3379
TETANUS TOXOID: 1527
TETANY: 1545, 1616
TETRACAINE: 3170, 3496
TETRACYCLINE: 536, 1641, 3603
TETRACYCLINES: 2215
TETRADECANOYLPHORBOL ACETATE: 2942
TETRAETHYLAMMONIUM COMPOUNDS: 2136
TETRAHYDROCANNABINOL: 525, 4304
TETRAHYDROCORTISOL: 913, 2055, 3085, 3576
TETRAHYDROCORTISONE: 912, 965, 3085
TETRAHYMENA: 631
TETRAHYMENA PYRIFORMIS: 3615
TETRANITROMETHANE: 470
TETRAZOLIUM SALTS: 84, 843, 1425, 1719
TETRODOTOXIN: 2472
TEXTILE INDUSTRY: 693
TEXTILES: 2531
THALAMIC NUCLEI: 354, 1062
THALAMUS: 110, 362, 1060, 1072, 1776, 3305, 3486
THALASSEMIA: 2493
THALLIUM: 3859
THECA CELLS: 220, 3339
THEOBROMINE: 404
THEOPHYLLINE: 404, 447, 530, 887, 1337, 1695, 1821, 2194, 2289, 2347, 2386, 2429, 2621, 2676, 2682, 2719, 2906, 3064, 3496–3497, 3838, 3921, 4186, 4193, 4437
THERAPEUTIC EQUIVALENCY: 1388
THERMODYNAMICS: 353, 884, 1111–1112, 2139
THERMOGRAPHY: 1083, 1179
THERMORECEPTORS: 2636, 3448
THETA RHYTHM: 382
THIABENDAZOLE: 1121, 2765, 4400
THIADIAZOLES: 287
THIAMINE: 3790
THIAMINE DEFICIENCY: 1422
THIGH: 1990, 2656
THINNESS: 1544
THIO-TEPA: 1954
THIOAMIDES: 233, 445, 3371, 3474
THIOCARBAMATES: 1825
THIOCYANATES: 180, 209, 568, 956, 971, 1140, 1279, 2129, 2133, 2957, 3260, 3347, 3371, 3457, 3489, 3608, 3690, 3826
THIOGLUCOSIDES: 2124
THIOGUANINE: 2642, 3789
THIOLESTER HYDROLASES: 2080
THIONES: 3371
THIONUCLEOSIDES: 3789
THIOPENTAL: 156, 785, 2763, 3437
THIOPHENES: 390
THIORIDAZINE: 2284
THIOURACIL: 1570, 3146, 3789
THIOUREA: 206, 232, 677, 727, 1959, 2258, 2968, 3050, 3133, 4123, 4427, 4434
THIRST: 505, 853, 3127, 3605, 3930, 4092
THORACIC INJURIES: 3186
THORACIC NEOPLASMS: 556, 3511
THORACIC RADIOGRAPHY: 2615, 3712
THORACIC VERTEBRAE: 823
THORAX: 1407, 1524, 2855, 3712, 4243
THREONINE: 728, 3326
THROMBIN: 856, 1933, 2233, 2274, 3516, 4222
THROMBOEMBOLISM: 88, 856, 2233, 3420, 3450, 4436
THROMBOPENIA: 189, 1564, 4351, 4369
THROMBOPHLEBITIS: 221, 856, 2233, 3101, 3142, 3420, 4087
THROMBOPLASTIN: 66
THROMBOSIS: 265, 465, 575, 856, 2233, 2301, 2718–2719, 3161, 4087, 4222
THROMBOXANE A2: 1414, 1708, 2406, 2590, 4102
THROMBOXANE B2: 609, 1166, 3252
THROMBOXANE SYNTHETASE: 1414, 3252
THROMBOXANES: 609, 1414, 2406, 2590, 2718, 2921, 2934, 3252, 3915, 4102, 4177
THYMECTOMY: 112, 916, 1291, 1782, 1986, 2069, 3106, 3757, 3819, 3894, 4074
THYMIDINE: 383, 555, 1046, 1170, 1858, 1951, 2183, 4055
THYMIDINE KINASE: 668, 916, 1275, 4324
THYMINE NUCLEOTIDES: 2183, 4324
THYMOMA: 112, 771, 1514, 2126, 2310, 2580, 2997, 3058, 4192
THYMOPOIETINS: 3812
THYMOSIN: 1707, 2845, 3864, 3894
THYMUS EXTRACTS: 916
THYMUS GLAND: 96, 321, 326, 490, 916, 1012, 1053, 1140, 1362, 1782, 2310, 2407, 2511, 2667, 2734, 2792, 2807, 2822, 2894, 2987, 3106, 3122, 3396, 3757, 3819, 3864, 3894, 4218, 4379
THYMUS HORMONES: 1707, 1824, 2845, 3812
THYMUS NEOPLASMS: 112, 771, 1514, 2126, 2310, 2580, 2997, 3058, 4192, 4240
THYROGLOBULIN: 229, 855, 864, 902, 1046, 1082, 1697, 1853, 1921, 1969, 2286, 3264, 3691, 3888
THYROID ANTAGONISTS: 233, 2392, 3146, 3337, 3474, 4383
THYROID CRISIS: 641, 656, 2799, 4038, 4417
THYROID DISEASES: 15, 126, 215, 255, 329, 357, 411, 473, 875, 948, 1063, 1144, 1179, 1198, 1256, 1260, 1325, 1563, 1640, 1667, 1697, 1738, 1866, 1903, 2037, 2051, 2056, 2110, 2112, 2267, 2333, 2501, 2558, 2572, 2619, 2633, 2666, 2694, 2900, 2924, 3112, 3117, 3313, 3407, 3418, 3491, 3510, 3549, 3562, 3850, 3855, 3888, 3992, 4126, 4185, 4377, 4436
THYROID FUNCTION TESTS: 183, 215, 255, 357, 499, 516, 619, 653, 693, 803, 805, 920, 948, 1198, 1210, 1256, 1260, 1475, 1563, 1590, 1610, 1614, 1640, 1805, 1903, 1956, 1984, 2037, 2393, 2441, 2498, 2558, 2638, 2981, 3089, 3435, 3510, 3578, 3600, 3707, 3816, 3992, 4029, 4366
THYROID GLAND: 15, 50, 68, 81, 213, 215, 227, 236, 247, 255, 315, 342, 393, 405, 452, 473, 499, 502, 522, 524, 573, 619, 652–653, 658, 693, 702, 714, 750, 803, 855, 890, 920, 936, 1010, 1013, 1037, 1086–1087, 1136, 1235, 1256, 1412, 1475, 1562, 1585, 1697, 1700, 1738, 1756, 1762, 1766, 1795, 1805, 1837, 1853, 1921, 1929, 1969, 2002, 2039, 2048, 2056, 2102, 2109, 2156, 2176, 2231, 2285–2286, 2377, 2392, 2394, 2407, 2443, 2483, 2493, 2498, 2534, 2585, 2614, 2619, 2626, 2633, 2734, 2737, 2784, 2788, 2809, 2838, 2846, 2894, 2924, 2930, 3002, 3009, 3090, 3095, 3106, 3177, 3264, 3272, 3282, 3313, 3323, 3326, 3353, 3404, 3458, 3502, 3519, 3578, 3678, 3681, 3743, 3823, 3859, 3865, 3869, 3888, 3972–3973, 3985, 3992, 4029, 4072, 4117, 4173, 4187, 4301, 4334, 4371, 4377–4378
THYROID GLAND, DESICCATED: 3774
THYROID HORMONES: 127, 339, 360, 546, 652, 830–831, 900, 1088, 1633, 1698, 1745, 1956, 2179, 2363, 2410, 2442, 2723, 2891, 2977, 3027, 3134, 3253, 3282, 3482, 3688, 3982, 4038, 4050, 4117, 4176, 4187, 4347, 4371
THYROID NEOPLASMS: 49–50, 74, 81, 329, 331, 357, 429, 445, 468, 529, 558, 613, 752, 777, 882, 970, 978, 1040, 1179, 1244–1245, 1247, 1329, 1350, 1382, 1405, 1413, 1472, 1519, 1610, 1728, 1783, 1810, 1814, 1858, 1912, 1929, 1931, 1984, 2002, 2014, 2143, 2156, 2259, 2407, 2443, 2461, 2501, 2614, 2619, 2695, 2791, 2809, 2871, 2924, 3002–3003, 3027, 3112, 3134, 3174, 3262, 3268, 3313, 3331, 3376, 3510–3511, 3519, 3524, 3571, 3673, 3811, 3825, 3847, 3859, 3872, 3920, 3937, 3949–3950, 4021, 4033, 4161, 4173, 4192, 4200
THYROIDECTOMY: 127, 151, 197, 213, 315, 392, 595, 619, 656, 777, 1141, 1144, 1318, 1329, 1384, 1446, 1472, 1691, 1775, 1839, 1984, 1989, 2049, 2092, 2156, 2231, 2355, 2363–2364, 2441, 2561, 2723, 3027, 3134, 3146, 3215, 3524, 3647, 3786, 3844, 3920, 3972, 4000, 4131, 4133, 4200, 4324
THYROIDITIS: 227, 236–237, 445, 752, 864, 1134, 1485, 1717, 1853, 2108–2109, 2353, 2407, 2614, 2619, 3707, 3859, 4378, 4381, 4410
THYROIDITIS, LYMPHOMATOUS: 237, 298, 752, 1412, 2201, 2235, 2268, 2585, 2709, 2832, 3519, 3816, 4117, 4378
THYRONINE: 522, 1318, 1735
THYROTROPIN: 15, 44, 177, 280, 342, 357, 365, 522, 573, 587, 619, 702, 752, 803, 855, 920, 1013, 1050, 1063, 1065, 1088, 1136–1137, 1198, 1251, 1263, 1605, 1633, 1640, 1698, 1712, 1837, 1873, 1931, 1956, 2048, 2051, 2057, 2061, 2110, 2278,

2285, 2355, 2393, 2400, 2441, 2493, 2558, 2611, 2632, 2649, 2894, 2898, 2947, 2993, 3090, 3104, 3117, 3223, 3225, 3264, 3272, 3426, 3600, 3646, 3678, 3889, 3985, 4004, 4029, 4085, 4172, 4185, 4316, 4347, 4354, 4371
THYROTROPIN RELEASING HORMONE: 217, 246, 280, 357, 452, 485, 522, 564, 619, 621, 778, 803, 936, 974, 1091, 1101, 1181, 1198, 1219, 1479, 1590, 1623, 1640, 1698, 1837, 2048, 2051, 2371, 2441, 2764, 2848, 2860, 2947, 3066, 3077, 3117, 3223, 3251, 3272, 3421, 3502, 3600, 3652, 3879, 3889, 4083, 4366
THYROXINE: 15, 52, 78, 124, 126, 132, 151, 183, 247, 315, 341, 574, 587, 702, 753, 803, 890, 903–904, 920, 936, 967, 1040, 1198, 1210, 1325, 1369, 1547, 1554–1555, 1560, 1562, 1566, 1599, 1605, 1613, 1633, 1735, 1745, 1778, 1791, 1837, 1849, 1858, 1890, 1892, 2003, 2037, 2048, 2058, 2061, 2110, 2112–2113, 2122, 2217, 2235, 2285–2286, 2297, 2355, 2393–2394, 2408, 2441, 2476, 2493, 2558, 2611, 2638, 2666, 2784, 2788, 2821, 2832, 2846, 2898, 2926, 3038, 3089–3090, 3095, 3104, 3117, 3353, 3407, 3435, 3482, 3490, 3502, 3550, 3600, 3646, 3688, 3698, 3774–3775, 3786, 3894, 3920, 3972, 3985, 4029, 4066, 4133, 4172, 4176, 4347, 4392
THYROXINE BINDING PROTEIN: 1613, 2297, 2306, 2550, 2784, 2926, 3095, 3435, 3550
TIBIA: 1389, 1577
TIBIAL FRACTURES: 2389
TIME: 1739, 3497
TIME FACTORS: 23, 25, 52, 54, 98, 100, 138, 156, 167, 173, 185, 201, 204, 209, 232, 262–263, 271, 378, 382, 403–404, 424, 427, 443–444, 448, 467, 480, 491, 498, 501, 512, 521, 529, 532–533, 548, 560, 586, 601, 621, 631–632, 647, 649, 655, 666, 678, 683, 722, 724, 753, 756, 759, 766, 768, 778, 786, 797, 814, 835, 890, 893, 943, 986, 994, 998, 1000–1001, 1003, 1009, 1028, 1083, 1114, 1118, 1159, 1165, 1196, 1199, 1223, 1234, 1246, 1248, 1275, 1296, 1309, 1349, 1353–1354, 1372, 1386, 1413, 1426, 1430, 1436, 1450, 1452, 1464, 1473, 1497, 1504, 1534–1535, 1542, 1561, 1592, 1605, 1622, 1642, 1646, 1655, 1660, 1684, 1697, 1699, 1703, 1734, 1736, 1747, 1770, 1805, 1807, 1811, 1823, 1834–1835, 1838, 1841, 1875, 1887, 1892, 1899, 1907, 1928, 1952, 1954, 1959, 1964, 1992, 2030, 2042, 2050, 2067, 2088, 2094, 2100, 2117, 2127, 2145, 2151, 2174, 2180–2181, 2191, 2194, 2197, 2208, 2217–2218, 2243, 2249, 2260–2261, 2281–2282, 2314, 2322, 2352, 2364, 2370, 2388, 2391, 2394, 2397, 2403, 2435, 2444, 2449, 2453, 2458, 2496, 2516, 2533, 2538, 2543, 2546, 2551, 2565, 2588, 2617, 2623, 2625, 2655, 2662, 2671, 2680, 2688, 2690, 2701, 2723, 2747, 2754, 2756, 2763, 2777, 2792, 2798, 2803, 2805, 2820, 2835, 2840–2841, 2863, 2888, 2902–2903, 2915, 2923, 2939, 2942, 2986, 2989, 2993, 3025, 3030, 3053, 3061, 3068–3069, 3074, 3086, 3093, 3099, 3106, 3110, 3126, 3139, 3167, 3171, 3198, 3210, 3214, 3221, 3261, 3280, 3283, 3295, 3301, 3348, 3362, 3379, 3391–3392, 3410, 3412, 3426–3427, 3437, 3456, 3468, 3474, 3483, 3490, 3530, 3536, 3540, 3574, 3577, 3588, 3593, 3600, 3603, 3622, 3630–3631, 3678, 3686, 3688, 3710, 3715, 3746, 3754, 3761, 3770, 3799, 3882, 3899, 3910, 3939, 3944, 3949, 3968, 3972, 4008, 4041, 4054–4055, 4068, 4087, 4097, 4103, 4124, 4129, 4131, 4136–4137, 4143, 4146, 4149, 4164, 4225, 4230, 4238, 4277, 4281, 4285, 4308, 4327, 4343, 4363, 4372, 4419
TIN: 2228
TIN POLYPHOSPHATES: 585
TINEA: 2545
TISSUE ADHESIVES: 1658
TISSUE CULTURE: 383, 936, 1967, 2400, 2654, 2899, 2940, 3066, 3222, 3966, 4039, 4045
TISSUE DISTRIBUTION: 410, 592, 907, 1041, 1129, 1292, 1317, 1655, 1789, 2206, 2266, 2361, 2480, 2946, 3036, 3050, 3283, 3660
TISSUE DONORS: 1861–1862
TISSUE EXTRACTS: 460, 687, 917, 2186, 2668, 2938, 3619, 3871, 4076
TISSUE PRESERVATION: 1072, 2322
TOES: 648
TOLAMOLOL: 451
TOLAZOLINE: 350, 4131, 4251
TOLBUTAMIDE: 2385
TOLMETIN: 472
TOLONIUM CHLORIDE: 664
TOMOGRAPHY: 329, 2760, 3322
TOMOGRAPHY, COMPUTERIZED AXIAL: 306, 433, 450, 1163, 1524, 1553, 1856, 2170, 2265, 2615, 3425, 3469, 3511, 3546, 3745, 3945, 3987, 4116, 4262, 4282
TOMOGRAPHY, RADIOGRAPHIC: 450, 1334, 2052, 2646, 2717, 2958, 3511, 3769, 4088
TONGUE: 437, 1610, 3114
TONGUE NEOPLASMS: 613, 629, 986
TONOMETRY: 2166
TONSIL: 1974
TOOTH: 1977, 2228, 3198
TOOTH CALCIFICATION: 1389
TOOTH, DECIDUOUS: 1259
TOOTH ERUPTION: 1127, 1629
TOOTH EXTRACTION: 1629, 3428
TOOTH, IMPACTED: 432, 1259, 2597
TOOTH, SUPERNUMERARY: 2597
TOOTH, UNERUPTED: 1259, 2597
TORSION: 1093, 2577, 3240, 4155
TOURNIQUETS: 3528
TOXEMIA: 1986
TOXINS: 4158
TOXOCARA: 4400
TOXOPLASMOSIS: 1231, 1672
TRACE ELEMENTS: 879, 1447, 3278, 4168
TRACHEA: 626, 2879, 3131, 3291, 3404, 3848, 4189
TRACHEAL DISEASES: 57, 3387
TRACHEOTOMY: 3776
TRACTION: 3277
TRANQUILIZING AGENTS: 630, 1502, 2790
TRANQUILIZING AGENTS, MAJOR: 1587, 4188
TRANQUILIZING AGENTS, MINOR: 4120
TRANSCORTIN: 239, 534, 2087, 4212, 4326
TRANSCRIPTION, GENETIC: 891, 1118, 1289, 1477, 2299, 3217, 3384, 3731
TRANSFER FACTOR: 2436
TRANSFERASES: 1072
TRANSFERRIN: 2299, 3631
TRANSKETOLASE: 3790
TRANSLATION, GENETIC: 844, 891, 1091, 1118, 2299, 2474, 2643, 2824, 2883, 2935, 3036
TRANSLOCATION (GENETICS): 19, 2038, 2192, 2592, 3531, 3544, 3842, 4274
TRANSPLANTATION, ALLOGENEIC: 19, 424, 667, 750, 1053, 1190, 1420, 1861–1862, 1949, 3139, 3370, 3865, 3960, 4039, 4200, 4272, 4283
TRANSPLANTATION, AUTOLOGOUS: 359, 842, 2046, 2322, 2685, 3588, 3602, 3726, 4200
TRANSPLANTATION, HETEROLOGOUS: 311, 2027
TRANSPLANTATION, HOMOLOGOUS: 827, 1173, 1224, 1986, 2301, 2349, 2381, 2431, 2667, 2750, 2875, 2938, 3564, 3726, 4283
TRANSPLANTATION IMMUNOLOGY: 510, 3139, 3564, 4283
TRANSPLANTATION, ISOGENEIC: 420, 714, 2811, 3058
TRANSPOSITION OF GREAT VESSELS: 4145
TRANSSEXUALISM: 2423, 2462
TRANSVESTISM: 436
TRANYLCYPROMINE: 1587, 2547
TREMOR: 530, 1748, 2343, 4183
TRETINOIN: 30, 1418, 2729, 2973, 3432, 3436
TRIAMCINOLONE: 6, 228, 732, 1429, 1677, 2136, 3724, 4408
TRIAMCINOLONE ACETONIDE: 118–119, 340, 2455, 2535, 2665, 3381–3382, 3495, 4186, 4191, 4242
TRIAMTERENE: 3330
TRIAZENES: 2174
TRIAZOLES: 2341, 3371
TRICHINOSIS: 2765
TRICHLORMETHIAZIDE: 722
2,4,5-TRICHLOROPHENOXYACETIC ACID: 907
TRIFLUOPERAZINE: 2350
TRIGEMINAL NERVE: 1456, 2826
TRIGLYCERIDES: 186, 256, 328, 344, 1014, 1297, 1335, 1372, 1509, 1869, 2637, 2652, 3123, 3208, 3513, 3740, 3877, 3909, 3999
TRIIODOTHYRONINE: 15, 124, 127, 183, 247, 499, 511, 522, 587, 608, 702, 753, 803, 890, 902–904, 920, 948, 1086–1087, 1198, 1210, 1318, 1325, 1566, 1590, 1599, 1633, 1636, 1778, 1837, 2003, 2061, 2092, 2099, 2185, 2283, 2285–2286, 2355, 2363, 2393–2394, 2408, 2410, 2441, 2493, 2558, 2572, 2611, 2626, 2638, 2693–2694, 2788, 2874, 2893, 2898, 2900, 2926, 2977–2978, 2981, 3104, 3117, 3258, 3407, 3502, 3562, 3600, 3646, 3688, 3698, 3793, 3850, 3855, 3920, 3969, 3972, 4029, 4066, 4072, 4172, 4176, 4347, 4392
TRIMECAINE: 3156
TRIMETHOPRIM: 1672, 2499, 2629
TRIPLETS: 2979
TRISOMY: 1019, 1626, 1808, 2282
TRITIUM: 263, 383, 817, 878, 1133, 1465, 2606, 2801, 4055
TRITONS: 279, 1073, 1136, 3639
TROCHLEAR NERVE: 1456, 1627
TROPANES: 3629
TROPHOBLAST: 510, 1283, 1949
TROPHOBLASTIC TUMOR: 245, 1204, 1228, 2140, 2677, 3569, 3709
TROPOMYOSIN: 3976
TROPONIN: 645, 1774, 1886, 2295, 2350, 3976, 4312
TROUT: 172, 1182, 1321, 1340, 1789, 3000, 3239, 3598
TRYPAN BLUE: 907
TRYPANOSOMIASIS, SOUTH AMERICAN: 2028
TRYPSIN: 32, 266, 761, 2948, 3069, 3881, 3955, 4142, 4428
TRYPSIN INHIBITORS: 3069, 4285
TRYPTAMINES: 124, 2547, 2587, 3167, 3289, 3891
TRYPTOPHAN: 273, 942, 1436, 1952, 2009, 2266, 2547, 3652, 3654, 3891, 4316
TRYPTOPHAN HYDROXYLASE: 372, 3135
TRYPTOPHAN OXYGENASE: 891, 1436, 1673, 3369
TUBER CINEREUM: 2379, 2746
TUBERCULOSIS: 2700
TUBERCULOSIS, ENDOCRINE: 4047
TUBERCULOSIS, PULMONARY: 2700, 3398
TUBERCULOSIS, SPINAL: 617
TUBEROUS SCLEROSIS: 3901
TUBOCURARINE: 2772, 3621
TUBULIN: 4032, 4398
TURBINATES: 2455
TURKEYS: 728
TURNER'S SYNDROME: 375, 427, 476, 637, 851, 889, 930, 1540, 2065, 2202, 2398, 2401, 2850, 3531, 3742, 3849, 3880, 4060, 4146, 4223, 4314
TURTLES: 2775
TWINS: 488, 896, 2688, 2768, 2808, 3224, 3717
TWINS, DIZYGOTIC: 673, 2808, 3224, 3801
TWINS, MONOZYGOTIC: 673, 2768, 2808, 3224, 4190
TYPHOID-PARATYPHOID VACCINES: 3588
TYRAMINE: 352, 649, 1621, 1885, 2281, 2449, 3079
TYROSINASE: 2340
TYROSINE: 470, 1774, 1805, 1886, 2295, 2861, 3587
TYROSINE AMINOTRANSFERASE: 374, 1673, 2654, 2861, 2883, 3628, 3838, 4231–4232, 4304
TYROSINE HYDROXYLASE: 616, 993, 1370, 1459, 1476–1477, 2049, 2264, 3135, 3183, 3206, 3467, 4182, 4336

U

UDDER: 253, 3686
UDP GLUCURONOSYLTRANSFERASE: 1474, 4015
ULTIMOBRANCHIAL BODY: 2924
ULTRACENTRIFUGATION: 3214, 3691
ULTRAFILTRATION: 2328
ULTRASONICS: 46, 221, 293, 329, 488, 509, 540, 563, 943, 964, 1084, 1246, 1375, 1416, 2256, 2398, 2591, 2615, 3322, 3425, 3492, 3895, 3929, 4360
ULTRAVIOLET RAYS: 1092, 1913, 2240, 2618, 2950
ULTRAVIOLET THERAPY: 1677, 1914
UMBILICAL ARTERIES: 2579, 3648
UMBILICAL CORD: 1204, 2579
UMBILICAL HERNIA: 286, 1401, 3914
UMBILICAL VEINS: 2579
UNITED STATES FOOD AND DRUG ADMINISTRATION: 4421
URACIL: 4368
UREA: 600, 859, 1458, 2190, 2469, 2986, 3162, 3599, 3737

UREMIA: 366, 461, 496, 569, 602, 667, 719, 735, 1155, 1197, 1384, 2184, 2382, 3128, 3832, 4158, 4248, 4320
URETERAL DISEASES: 4296
URETERAL NEOPLASMS: 2520
URETERAL OBSTRUCTION: 1675
URETHANE: 2674
URETHRA: 385, 1828, 3747
URETHRAL NEOPLASMS: 2226, 2645
URIC ACID: 567, 722, 1297, 1509, 2583, 2725, 2790, 3011, 3254, 3405, 4217, 4263
URICOSURIC AGENTS: 3059
URIDINE: 151, 1046, 1694
URIDINE TRIPHOSPHATE: 3026
URINARY CALCULI: 170
URINARY INCONTINENCE: 1828
URINARY TRACT: 61, 2904
URINATION DISORDERS: 1675, 3527, 3747
URINE: 599, 836, 3187, 3993
URODYNAMICS: 4036
UROGENITAL NEOPLASMS: 154, 496, 2226, 2645, 3213
UROGENITAL SYSTEM: 605, 3209, 4145
UROGRAPHY: 247, 455, 563, 2904, 3745
UROKINASE: 2233
UROLOGIC DISEASES: 2333, 3418
UTERINE CONTRACTION: 240, 783, 1358, 1744, 1842, 3150, 3614, 3944
UTERINE HEMORRHAGE: 1871, 2486
UTERINE INERTIA: 3944
UTERINE NEOPLASMS: 46, 88, 293, 492, 499, 510, 613, 670, 752, 773, 812, 1031, 1112, 1233, 1519, 1652, 1710, 1832, 1843, 2027, 2153, 2262, 2282, 2451, 2486, 2546, 2577, 2607, 2974, 3209, 3282, 3569, 3797, 4239
UTERINE PERFORATION: 1871
UTERUS: 177, 240, 480, 700, 760, 784, 845–846, 878, 917, 973, 1024, 1043, 1074, 1111, 1170, 1207, 1246, 1269, 1309, 1336, 1375, 1445, 1733, 1842–1843, 1847, 1888, 1899, 1934, 1938, 2027, 2149, 2207, 2219, 2359, 2390, 2398, 2437, 2486, 2522, 2527, 2607–2608, 2613, 2687, 2793, 3012, 3043, 3181, 3241, 3249, 3295, 3356, 3394, 3423, 3596, 3633, 3639, 3735, 3904, 3944, 3956, 4027, 4156–4157, 4224, 4252, 4360, 4375
UVEA: 938
UVEITIS: 2308

V

VACCINATION: 1527, 3588, 4253
VACUOLES: 732, 1395, 2240
VACUUM CURETTAGE: 1871
VAGINA: 188, 258, 695, 760, 1170, 1576, 1828, 1938, 2150, 2158, 2287, 2613, 2793, 2923, 3295, 3436, 4438
VAGINAL CREAMS, FOAMS AND JELLIES : 3727
VAGINAL DISEASES: 1460, 1934
VAGINAL NEOPLASMS: 1934
VAGINAL SMEARS: 695, 2158, 2280, 2287, 3436, 3796
VAGINITIS: 3388
VAGOTOMY: 312, 1937, 2872, 3662
VAGUS NERVE: 614, 1253, 3983
VALERATES: 781, 2280, 3028, 3348, 4110
VALINE: 1046, 3789
VALINOMYCIN: 4397
VALSALVA'S MANEUVER: 3196
VANILMANDELIC ACID: 313, 469, 2082, 2541
VARIATION (GENETICS): 1573, 3116, 4302, 4426
VARICOCELE: 1441, 1660, 3373, 3463
VARICOSE VEINS: 3880
VAS DEFERENS: 1076, 1441, 2683, 4143, 4182, 4241
VASCULAR DISEASES: 865, 1569, 2301, 2637, 3819, 4294
VASCULAR HEADACHE: 3246
VASCULAR RESISTANCE: 82, 278, 297, 308, 373, 497, 825, 894, 1378, 1574, 1985, 2169, 2360, 2867, 3124, 3455, 3522
VASCULITIS, ALLERGIC CUTANEOUS: 1457, 2678
VASOACTIVE INTESTINAL PEPTIDE: 1017, 1307, 2239, 2257
VASOCONSTRICTION: 590, 1169, 1539, 1687, 1885, 1985, 2275, 2590, 3903, 4247–4248
VASOCONSTRICTOR AGENTS: 988, 2439, 3523, 4271
VASOCONSTRICTOR AGENTS, NASAL: 3358
VASODILATION: 894, 2445
VASODILATOR AGENTS: 278, 1021–1022, 1336, 2169, 2718, 3068, 3142, 3648, 4271
VASOMOTOR SYSTEM: 251, 740, 1097, 1701
VASOPRESSIN: 60, 138, 171, 262, 319, 382, 413, 460, 591, 604, 708, 798, 974, 1025, 1098, 1155, 1251, 1320, 1374, 1615, 1625, 1656, 1685, 1797, 2148, 2175, 2187, 2252, 2279, 2396, 2627, 2649, 2713, 2758, 2894, 3066, 3212, 3226, 3243, 3255, 3591, 3609, 3763, 3886, 3903, 3924, 4135, 4163, 4215, 4327, 4348, 4408
VEGETABLE PROTEINS: 3791
VEHICLES: 1154, 1889, 3579
VEINS: 309, 389, 869, 1222, 1569, 3149, 3720
VENA CAVA, INFERIOR: 82, 644, 1178
VENA CAVA, SUPERIOR: 1339
VENOUS PRESSURE: 82
VENTRICULAR FIBRILLATION: 2429
VENTRICULOGRAPHY, CEREBRAL: 1163, 3152, 3469, 3719
VENULES: 1593
VERATRIDINE: 2472
VERTEBRAL ARTERY: 3404
VESTIBULAR NUCLEI: 2075, 2504
VIBRATION: 4099
VINBLASTINE: 114, 684, 697, 1666, 2007, 2174, 2925, 3171, 3268, 3317, 3349, 3415, 3525, 3592, 3653, 3886, 4153, 4295
VINCA ALKALOIDS: 3560
VINCRISTINE: 91, 231, 448, 515, 601, 679, 697, 790, 1221, 1286, 1468, 1558, 1704, 1928, 2174, 2370, 2540, 2568, 2642, 2708, 2818, 3171, 3317, 3343, 3592, 3601, 3824, 3841, 3843, 3994, 4254
VIRAL PROTEINS: 2618
VIRILISM: 389, 538, 571, 1663, 2398, 2479, 3172
VIRULENCE: 1665, 1672, 4422
VIRUS DISEASES: 3788
VIRUS REPLICATION: 2523
VISCOSITY: 937, 1441, 3615
VISION: 56, 1117, 2250
VISION DISORDERS: 3046, 3828, 4050–4051
VISUAL ACUITY: 2052, 2655, 3987
VISUAL FIELDS: 1578, 2052, 3987, 4050–4051
VISUAL PATHWAYS: 1486–1487
VISUAL PERCEPTION: 425, 2689
VITAMIN A: 660, 747, 1085, 1779, 2729, 2973, 3432, 3436, 3744
VITAMIN A DEFICIENCY: 1142, 1418, 1550, 2729, 3436
VITAMIN B 12: 107
VITAMIN D: 75, 97, 158, 179, 316, 392, 747, 898, 949, 1141, 1312, 1314, 1511, 1580, 1620, 1870, 1913, 2325, 2595, 2794, 3038, 3056, 3297, 3383, 3433, 3509, 3616, 3715, 3741, 3766, 3818, 4227, 4424
VITAMIN D DEFICIENCY: 97, 250, 414, 1142, 1217, 1552, 1620, 1796, 1989, 2374, 2417, 2489, 3279, 3312, 3616, 3809, 3844, 4365
VITAMIN E: 537, 747, 1869, 2566, 2864, 3464, 4187
VITAMIN E DEFICIENCY: 2223, 3689, 4187
VITAMIN K: 1870
VITAMINS: 747, 1572, 3432, 3728, 4278
VITELLINE MEMBRANE: 336
VITELLOGENIN: 173, 1118, 3026, 3247
VITILIGO: 1677
VITREOUS BODY: 249, 2021
VOCAL CORD PARALYSIS: 1839, 2156
VOICE: 3007
VOMITING: 600, 1829, 2834, 3486, 3636
VP 16-213: 3592
VULVAR DISEASES: 958

W

WAKEFULNESS: 415
WARFARIN: 633
WARTS: 1382
WATER: 82, 145, 843, 1376, 1381, 2190, 2216, 2242, 2382, 2538, 2575, 3302, 3763, 3886, 4168
WATER DEPRIVATION: 1430, 4135, 4276
WATER-ELECTROLYTE BALANCE: 197, 319, 1169, 1462, 2028, 2477, 2514, 2773, 2964, 3008, 3598, 3939, 4017, 4348, 4395
WATER-ELECTROLYTE IMBALANCE: 624, 1588, 2187, 2329, 2713
WATER POLLUTANTS, CHEMICAL: 2427
WATER SUPPLY: 865, 1297, 2427, 2647
WATERHOUSE-FRIDERICHSEN SYNDROME: 1763
WEANING: 2373, 3325
WERNER'S SYNDROME: 1626
WHEAT: 800, 1673
WOLFFIAN DUCT: 3296, 4146
WOMEN: 2162
WORK: 1171, 2738
WORLD HEALTH ORGANIZATION: 775
WOUND HEALING: 135, 1629, 1658, 2215, 2374, 2389, 2484, 3424, 3428, 3952
WOUNDS AND INJURIES: 810, 3186
WOUNDS, GUNSHOT: 1780, 2531
WOUNDS, NONPENETRATING: 1054
WRIST: 2850, 3433

X

X CHROMOSOME: 116, 375, 851, 889, 930, 1042, 1296, 1573, 2107, 2269, 2592, 2612, 2779–2780, 2931, 3141, 3213, 3531, 3544, 3801, 3842, 4274
X-RAY DIFFRACTION: 990, 2315
X-RAY THERAPY: 3209
X-RAYS: 631, 1092, 1780, 2117, 3071, 3632, 4115
XANTHINES: 404, 578, 2351, 2362, 3765, 3955, 4364
XANTHURENATES: 273
XENON RADIOISOTOPES: 1488
XENOPUS: 173, 447, 959, 1118, 1368, 1530, 1594, 1867, 2071, 2549, 2883, 3264, 3306
XERODERMA PIGMENTOSUM: 1019, 1092, 1501, 3558
XEROPHTHALMIA: 2729
XYLOSE: 1325
XYY KARYOTYPE: 1090, 4402

Y

Y CHROMOSOME: 637, 748–749, 1090, 1420, 2038, 2331, 2398, 2482, 2612, 2780, 2889, 2941, 3839, 3926, 4119, 4146, 4274, 4332–4333, 4385
YOGA: 1874
YOHIMBINE: 2254, 2766, 4251
YOLK SAC: 859, 3842
YTTRIUM RADIOISOTOPES: 2515

Z

ZEARALENONE: 192, 1510, 1751, 2687, 3052, 3542, 4027
ZINC: 879, 907, 1435, 1572, 1708, 1825, 2020, 2508, 3327
ZINC ISOTOPES: 2033
ZINEB: 1825
ZOLLINGER-ELLISON SYNDROME: 558, 2257–2258, 2871

AUTHOR INDEX

A

Aafjes JH: 1
Abate S: 4378
Abbas AH: 1655
Abbondanza GC: 606
Abd-Rabbo H: 1618
Abdel-Halim MN: 4345
Abdelhamid S: 1706
Abdulla N: 3087
Abdulla W: 2
Abdullaev RA: 1060
Abe H: 3451, 3836
Abe I: 2681
Abe K: 650, 2589, 3288, 3447
Abe O: 2222
Abe S: 4004
Abeille JP: 3
Abels JC: 3984
Aberg H: 4
Aberlenc M: 1837
Abholz H: 1574
Ablin RJ: 5
Abo T: 2997
Aboulwafa M: 2968
Abraham GE: 2800
Abrahams PP: 3899
Abram SE: 6
Abramov LA: 7
Abramov MM: 8
Abramovitz E: 3228
Abrams J: 655
Abrams M: 3087
Abs R: 9
Abulker C: 3266
Aburto H: 3281
Aceto T Jr: 2649
Achando SS: 10
Acien P: 11–12, 964
Ackerly JA: 2670
Ackerman ME: 1317
Adachi H: 2746
Adachi K: 2922
Adachi M: 2082
Adachi T: 13
Adam YG: 3463
Adám-Vizi V: 14
Adami HO: 15
Adami S: 2411
Adams AC: 1092
Adams JB: 2359
Adamson RH: 3636
Adamson U: 1452
Adar R: 16
Adatia A: 4049
Addison J: 1891
Adelman RD: 3591
Adenis L: 920
Adey WR: 17
Adjei DO: 22
Adler HS: 3644
Adler J: 18
Adler KR: 19
Adler SS: 20
Adler-Graschinsky E: 21
Adlercreutz H: 1966, 2371
Adlin EV: 2542
Adolphs HD: 165
Adoni A: 2680
Adu D: 22
Aeschbacher HU: 23
Affandi M: 1616
Afonina LI: 24
Agache P: 25
Agadzhanova AA: 26
Agarwal KN: 325
Agarwal N: 1838
Agarwala B: 27
Agarwala GC: 28
Agazarian ShM: 135
Aggerbeck M: 29
Agnati LF: 1276, 4236
Aharony D: 3252
Ahlgren I: 4215
Ahluwalia BS: 30
Ahluwalia GS: 30
Ahmad N: 4160
Ahmed N: 2036
Ahmed S: 2712
Ahmed-Sorour H: 31
Ahn HS: 32
Aho AJ: 3209
Ahonen AV: 33
Aida M: 34, 2945
Aidells BD: 35
Aiello E: 3752
Airoldi L: 36
Aisner J: 37
Aitken J: 396
Aitken SC: 2399
Aizawa Y: 102, 3614
Ajzen H: 1328
Akaike N: 38
Akbar AM: 1845
Akera T: 4328
Akerman KE: 39
Akerstedt T: 40
Akiba H: 2217
Akiyama M: 41
Akiyama N: 2809
Akiyama T: 1772
Aksnes L: 42
Alagna S: 2567
Alba E: 43
Alba JF: 3365
Albero Gamboa R: 44, 3016
Albert DM: 2248
Albertazzi E: 45
Alberti KG: 219
Albertini A: 602
Alberts C: 4071
Alberts DS: 46, 3415
Albertson BD: 47
Albrecht CM: 4251
Albrecht ED: 48
Albrechtsen R: 2912
Alcala JC: 530
Alcántar A: 572
Aldinger KA: 49
Aleĭnikova TD: 50
Alekseenko IR: 2188
Alekseenko LP: 2980
Alekseev EG: 2102
Alekseeva RM: 51
Alexander NM: 52
Alexander RW: 53
Alexandre C: 276
Alexandre JM: 646
Alexanian R: 54
ALFEROV AN: 3813
Alfieri L: 284–285
Alford CA: 2079
Alfrey AC: 310
Alger M: 1141
Algeri S: 3422
Alhenc-Gelas F: 55
Ali M: 609
Alicino NJ: 1678
Alieva ZA: 56
Alinei D: 57
Alinei E: 57
Alisberg N: 58
Alkon DL: 1604
Allegra JC: 2399
Allen DG: 59
Allen GS: 60
Allen IV: 61
Allen JM: 426
Allen LH: 62
Allen LV: 63
Allen TD: 64
Allen WM: 854
Allende CC: 447
Allende JE: 447
Allerhand J: 2761
Allgrove J: 65
Allison AC: 66, 3006
Alloatti D: 1146
Allt-Graham J: 785
Ally AI: 67, 1708
Almagro D: 3817
Almqvist S: 1405
Aloni B: 343
Alonso-Uriarte ME: 768
Aloorkar SD: 4050–4051
Alperovitch A: 1210
Alpert JS: 725
Alpert NR: 2402, 2598
Alquier C: 68
Altenähr E: 2171
Altman AJ: 69
Altmann H: 1044
Altmann P: 2789
Altomare E: 4047
Altukhov VV: 2397
Altwein JE: 1829
Alumets J: 3810
Alvarez CJ: 1550
Amamori H: 3849
Amano T: 111
Amare M: 1231
Amato RS: 2347
Ambach G: 3015
Ambani L: 3096
Ameika L: 1678
Amery AK: 2372
Amici R: 3211
Amies DR: 1668
Amin MI: 70
Amino N: 2201
Amiranoff B: 1017
Amorn Y: 71
Amos B: 2581
Amos J: 4240
Amsterdam A: 3551
Anaelmet A: 3969
Anand N: 72
Ananth J: 73
Anast C: 74–75
Anděl M: 469
Anderberg B: 3681
Andersen SR: 76
Anderson AB: 330
Anderson B: 229
Anderson DL: 2244
Anderson GH Jr: 1054, 3522
Anderson JM: 77
Anderson JN: 363
Anderson MJ: 78
Anderson NG: 79–80
Anderson NS 3d: 1891
Anderson PB: 704
Anderson RA: 3826
Anderson RJ: 81–82, 2382
Anderson T: 1856
Anderson TF: 4122
Andersson K: 1277
Andersson M: 2796
Andersson RG: 83, 4241
Andjelković I: 3734
Andler W: 84–85
Ando S: 86, 4083
Ando Y: 1777
Andrea TA: 2673
Andreoli M: 864
Andresová S: 87
Andrews AD: 495
Andrews WC: 88
Andy OJ: 89
Angelini G: 2629
Anggård E: 857
Angrist B: 3352
Anichkov NM: 90
Anisimov VN: 270
Anner RM: 91
Anniballo R: 3736
Anraku Y: 1945
Ansari AH: 92
Ansari KU: 93
Ansell BM: 94
Anteunis A: 95
Antognoni G: 2839
Antoine H: 2310
Antonova SN: 96
Antonovych TT: 2770
Anwar M: 97
Anzai K: 4359
Anzai N: 1970
Anzai T: 98
Anzalone AJ: 3483
Aoki A: 99
Aoki H: 2222
Aoki K: 100
Aono T: 101, 2214, 3904
Aoyama K: 3957
Aparicio N: 167
Aparicio NJ: 2517
Appel JB: 2191
Appel SH: 3696

Appleman MM: 3660, 3857
Aprison MH: 2266
Apró G: 3831
Arai Y: 102, 2586
Arakawa K: 1769
Araki A: 1780
Araki H: 3876
Arato JS: 441
Arauco R: 1116
Arbatti NJ: 103–104, 3604
Arcangeli A: 105
Archambault de Vencay J: 106
Arcidiacono G: 2710
Areekul S: 107
Arendarčik J: 2528–2529
Arends J: 2912
Arendt J: 4245
Argiolas A: 108
Arieff AI: 754
Arif ID: 231
Ariga N: 109
Arikuni T: 110
Arimatsu Y: 111
Arimori S: 112
Arimura A: 113, 1173, 3481, 4096
Arita M: 2922
Ariyama T: 1987–1988
Arko H: 2897
Arlin ZA: 2642
Arluison M: 549
Armata J: 114
Armelin HA: 115
Armelin MC: 115
Armocida G: 116
Armon PJ: 117
Armstrong J: 1115
Arnaud CD: 310, 934
Arnheim J: 3233
Arnold HL Jr: 118–119
Arnold JM: 120
Arnold WP: 2795
Arnon R: 1323–1324
Arnrich L: 579
Arntzenius AC: 121
Aro A: 3081
Aronsen KF: 4215
Aronson AJ: 938
Arora SR: 3665
Arora-Dinakar R: 122
Arrata WS: 1910
Arseni C: 123
Artaud F: 423
Arthur JR: 2570
Artibani W: 3075
Arvanitidis AN: 1795
Arvesen G: 2534
Asaad MM: 124
Asakawa T: 125
Asakura K: 3620
Asama T: 126
Asano Y: 127, 2363
Asch RH: 128
Aschoff J: 129
Ashley AT: 323
Ashley JJ: 4005
Ashley T: 322
Ashrafov AA: 130
Ashton SA: 564
Asmakova TG: 131
Asmal AC: 132
Asnis MS: 3380
Asofsky R: 2580
Assan R: 3253
Assimacopoulos-Jeannet FD: 1099
Assis LM: 133–134, 3959
Assouline G: 833
Astvatsaturian AA: 135
Aswapokee N: 2308
Aswapokee P: 2308
Atakhanova BA: 1921
Athanasiou VN: 136–137, 3129
Athanasoulis CA: 138
Atherden SM: 139
Atkins D: 2555
Atkinson AB: 140
Atkinson DC: 141–142
Atria P: 3313
Attman PO: 143–144
Attramadal A: 951
Au CL: 145
Aubia J: 146–147
Audebert A: 148
Audebert AA: 95
Audisio F: 823
Audisio M: 4108
Auel RA: 149
Auer G: 4128
Auersperg N: 150
Auf G: 1342
August GP: 1748
Augustine EC: 151
Aurbach GD: 152
Aussel C: 153
Austin BP: 2539
Auvert J: 154
Avakian OM: 3622
Avakian RT: 155
Avakumov VM: 501
Avci C: 1339
Aveling W: 156
Avendano C: 157
Avery GS: 471–472
Avierinos C: 1855
Avioli LV: 158, 202, 898
Awais GM: 159
Axelrod J: 1284
Axelson M: 160, 3576
Axelsson CK: 357
Ayaki S: 4027
Ayala A: 430
Ayers AB: 737
Ayme S: 2592
Aynedjian HS: 197
Azadian-Boulanger G: 2326
Azevedo-Marques MM: 2028
Azhar S: 161
Aziz S: 162
Aznar A: 163
Aznar Reig A: 1685
Azukizawa M: 1633
Azuma I: 2812
Azuma M: 4355

B

Ba E: 2081
Baanante IV: 1464
Baba Y: 4316
Babbitt DP: 3798
Babich GV: 2801
Babický A: 2927
Babskaia IuE: 164
Bacardi R: 2557
Bach D: 165
Bach K: 1124
Bachimont J: 1664
Bachur NR: 1046
Backman U: 166
Bäckström T: 2260
Bacon PA: 1083
Bacz A: 3742
Badano AR: 167
Badowski R: 1719
Baehner RL: 426
Baer HP: 168
Baethke R: 1285
Baggiolini EG: 712
Bagliani A: 169
Bagnasco M: 329
Bagnoli VR: 3959
Bailey CJ: 31
Bailey RR: 170
Bailey WH: 171
Bain J: 3331
Bain WH: 3889
Baínova A: 521
Baird AI: 1246
Baird GJ: 4167
Bakanov MI: 1820
Baker BI: 172, 3239
Baker HJ: 173
Baker LW: 3304
Baker PF: 174–175
Baker T: 3312
Baker WW: 1148
Bakhle YS: 176
Bakke JL: 177
Bakker WH: 227
Baklavadzhian OG: 178
Baksh L: 3965
Baksi SN: 179
Bakuleva LP: 2868
Bälan R: 656
Balashov AH: 1493
Balasubramanian AS: 2976
Balasubramanian D: 180
Balasubramanian V: 399
Balažovjech I: 2971
Balázs M: 181
Balcke P: 2123
Baldessarini RJ: 2911
Baldet L: 182–183, 1837
Baldwin JG: 2408
Balentine JD: 184
Baléríaux-Waha D: 4374
Baleva R: 185
Balfre K: 3291
Balíček P: 4402–4403
Balkin RB: 3390
Ball KP: 186
Ball P: 187
Ball TP Jr: 482
Ballard CA: 188
Ballerini G: 189
Balmain-Oligo N: 2315
Balment RJ: 698, 2010
Balogh A: 190
Balow JE: 2770
Balsløv JT: 191
Balzer I: 192
Ban T Jr: 110
Ban TA: 193
Ban Y: 1791, 1814
Bana DS: 194
Banchini A: 4085
Banerjee CK: 3432
Banerjee PK: 3357
Banerji AK: 3182
Banes AJ: 195–196
Bangham DR: 3782
Bank N: 197
Banki CM: 198
Banks RA: 199
Banna P: 200
Bannerjee CK: 3234
Banovac ZR: 2424
Bapat CV: 2013
Bapat V: 28
Bapna BC: 3234
Bar-Am A: 2607
Bara J: 1664
Barabanov EM: 3950
Barabino A: 1790
Baraboĭ VA: 201
Baracat EC: 2376
Baracchi S: 3020
Baran DT: 202
Baranowska B: 3201
Baratta B: 3468
Baratta L: 3468
Barbanti Silva C: 695
Barbato AL: 479
Barbeau A: 203
Barber R: 204
Barberis L: 205
Barbezat GO: 206
Barbieri GC: 207
Barbieri RL: 3589
Barbieri V: 3322
Barceló AC: 2092
Barchas JD: 1072, 4166
Bard DS: 2915
Bardadin K: 1969
Bardakhch'ian EA: 3379
Bardare M: 208
Bardawil WA: 2451
Bardi U: 209
Barger AC: 210
Barghini G: 211–212
Bargiel Z: 2919
Bargy F: 213
Barilla DE: 3011
Barjon P: 647
Barkalaia AI: 214
Barker CA: 3574
Barker JD: 3695
Barkhatova TP: 215
Barkhina TG: 216
Barkin M: 563

AUTHOR INDEX

Barlock A: 2399
Barlow CH: 3260
Barlow JJ: 3147
Barnard JM: 2709
Barnea A: 217, 2963, 4153
Barner HB: 218
Barnes AJ: 219
Barnes E: 4182
Barnes MM: 3689
Barnes RD: 220
Barnes RW: 221
Barney CC: 222
Barocsai G: 266
Barr GD: 223
Barrach HJ: 2870
Barraclough CA: 223
Barranger JA: 1271, 3084
Barratt TM: 3991
Barrera R: 3365
Barrett JM: 3685
Barrett PJ: 1355
Barrett PQ: 224
Barrette WE: 67
Barrio JR: 991
Barrioneuvo PJ: 1009
Barros A: 2611
Barry J: 225
Barry JF: 1163
Barry JM: 2645
Barsoti M: 226
Bartalena L: 1136
Bartelt G: 3257
Bartenev GS: 2531
Barth JD: 227
Barthelemy-Clavey V: 4340
Barthez M: 1421
Bartlett M: 1950
Bartolini G: 3961
Bartolini P: 133
Bartolotti A: 45
Barton RP: 228
Bartos D: 229
Bartoš F: 229, 1951
Bartošová D: 2927
Bartter FC: 230, 3887, 4104
Bary JM: 3935
Basalaeva LN: 3631
Basar I: 4238
Basch RS: 3812
Basin BIa: 90
Basir D: 231
Baskin RJ: 4346
Baskin WN: 232
Basosi R: 233
Bassenge E: 4121
Bassett JR: 234
Bassett LW: 235
Bast JD: 1445
Bastenie P: 236
Bastenie PA: 237
Basu PK: 2603
Basu R: 238
Bataille D: 3441
Bates D: 4347
Batjer JD: 2368
Bätjer K: 3510
Batra S: 239–240
Battaglia GB: 241
Battelli M: 3039
Battenberg E: 362
Battino A: 2276
Batty J: 242–243
Batuner LS: 244
Bauer HW: 245
Bauer JS: 1258
Bauer K: 246
Bauhofer G: 247
Bauke G: 1658
Baulieu EE: 1368
Baum BJ: 248
Baum J: 3754
Baum JL: 249
Bauman VK: 250
Baumgardner S: 1428
Baumgardner SB: 251
Baumgarten HG: 252
Baumrucker CR: 253
Bauters F: 254
Bavoux F: 612
Baxendale P: 1758
Baxter RG: 255
Baxter SR: 3668
Bay M: 260
Bayard B: 153
Bayard F: 3205
Bayer SA: 2727
Bayer-Pietsch E: 2002
Baylé JD: 416
Baylink DJ: 719
Baylis PH: 3763
Bazán JL: 1146
Bazanov EA: 256
Bazarevitch G: 257
Bazgan L: 3346
Beall GN: 2585, 3708
Beard E: 1241
Beardslee C: 258
Beardwell CG: 3585
Beastall G: 3539
Beastall GH: 3889
Beaty HN: 2905
Beaulieu M: 3251
Beauvillain JC: 3980
Beavo JA: 3758
Béchetoille A: 259
Bechtel P: 4144
Bechtel PJ: 3758
Beck I: 1038
Beck LR: 917
Beck LV: 260
Beck-Peccoz P: 1101
Becker AE: 4071
Becker AJ: 261
Becker B: 2180, 3617
Becker DI: 3973
Becker DJ: 262
Becker E: 2602
Becker EL: 58
Becker H: 3531
Becker KL: 3647
Becker RO: 2539
Becker S: 263
Beckerhoff R: 264, 1273
Beckers C: 2110
Bedard YC: 3331
Bedikian A: 265
Bedö S: 266
Beechey CV: 1090
Beers WH: 267
Beevers DG: 1147
Bégeot M: 268
Behrens J: 2687
Behrman HR: 3921
Beĭbekov IM: 2801
Beier S: 246
Beitins IZ: 2400
Bejblová O: 2088
Beketaev AM: 269
Bekhtereva EP: 270
Belas F: 1694
Belchetz PE: 3104
Belhadj O: 394
Beliaev VE: 3110
Beliaeva ZN: 1047
Beling CG: 271
Belitskiĭ AE: 272
Bell ED: 273
Bell JB: 274, 4139
Bell NH: 275–276
Bell WE: 277
Bellini G: 278, 1139
Bellino FL: 279
Bellmann O: 280
Bellows JG: 281
Bellvé AR: 326
Belousova ZF: 282
Belova TA: 283
Ben-Aderet N: 328
Ben Ayed H: 419
Ben Cheink M: 419
Ben-David M: 1518
Ben-Harari RR: 176
Ben Khalifa F: 419
Benassi L: 284–285
Benatar SR: 1583
Bencsáth P: 3840
Bend JR: 2782
Bender F: 466
Bene M: 286
Benes I: 1635
Benezet HJ: 287
Bengtson JM: 1868
Bengtsson B: 240
Bengtsson S: 2384
Benham FJ: 288
Benhamou G: 289
Benichou J: 3749
Benjamin F: 290
Benjamin JT: 291
Bennett GW: 292
Bennett J: 177
Bennett K: 921
Bennett MJ: 293
Bennett-Clarke C: 1674
Bennink MR: 294
Benraad TJ: 1671
Bensasson D: 4091
Benso L: 1346
Benson RC Jr: 2348
Bentson JR: 1569
Benveniste R: 3223
Beral V: 295
Bercovici B: 1051
Bercovici JP: 296, 2736
Berdeja QF: 620
Berecek KH: 297
Berenbeim DM: 687
Bereşewicz M: 298
Berg B: 3811
Bergada E: 146
Bergan A: 299
Berger B: 300
Berger GS: 301, 3727
Berger TJ: 2539
Bergeron JJ: 302
Bergfeld J: 303, 1739
Bergfeld MA: 202
Bergfors AM: 1430
Berglund L: 304
Bergman S: 1856
Bergner H: 305
Bergqvist G: 385
Bergstrand SJ: 4077
Bergström K: 306
Bergstrom WH: 307, 2856
Berjon JJ: 148
Berkowitz HD: 308–309
Berkowitz S: 2248
Berl T: 310
Berliner J: 2796
Berman MM: 1195
Bernadskiĭ IuI: 311
Bernardo L: 2557
Bernat M: 3263
Berndt V: 312
Bernet F: 313
Bernett A: 2761
Bernhard W: 3217
Bernick S: 2851
Berns AS: 310
Bernstein M: 3722
Bernstein MH: 3176
Bernstein PH: 195
Bernstein RM: 314
Berridge MV: 1118
Berry DH: 3994
Berry LJ: 1399
Bershadskiĭ BG: 4009
Bershteĭn LM: 315
Bertaglia A: 695, 3554
Bertagnolli BL: 868
Bertazzi PA: 693
Berthelot P: 1474
Berthelsen JG: 3676
Berthezene F: 1088
Bertocchi C: 205
Bertolini D: 852
Besa EC: 1306
Besarab A: 316
Besch HR Jr: 426
Beshir SR: 2712
Besigye E: 317
Besnard JC: 2297
Besser GM: 342, 1860
Besson MJ: 1634
Bestagno M: 1475
Betheil JJ: 1971
Betrabet S: 4048
Betschart B: 3120
Better OS: 4270

Betzholz R: 2062
Beutler B: 318
Bevan DR: 319
Bevilacqua L: 4052
Beyer J: 320
Beylot C: 340
Bezek S: 3986
Bezrukov VV: 1243
Bhalla DK: 321
Bhalla RC: 322–323, 347
Bharadwaj MB: 3641, 3667
Bhat AV: 2013
Bhathena SJ: 324
Bhatia BD: 325
Bhatia R: 3182
Bhatnagar YM: 326
Bhattacharyya SP: 327
Bhide SV: 995
Bhup R: 931
Biale Y: 328
Bianchi C: 473
Bianchi I: 2411
Bianco V: 923
Bias WB: 1724
Biasiato R: 828
Biassoni P: 329
Bibby JG: 330
Biber MP: 2075
Biehl ER: 1425
Bielicki F: 331, 962
Biernacki J: 332
Bierschwal CJ: 2015
Biess B: 613
Bifarini G: 3044
Biffl H: 333
Biggi E: 329
Bijker PG: 334
Bijvoet OL: 335, 3263
Bilancini MA: 3211
Bilgin S: 1397
Biliński S: 336
Billings RE: 4015
Bilton RF: 3898
Bindal S: 1343
Bines JA: 1554, 2959
Binet JL: 1694
Bingham PJ: 337
Binkley S: 338
Binnion PF: 339
Binswanger U: 368
Bioulac P: 340
Bird CC: 2486
Bird CE: 3899
Bird M: 2603
Birkenhäger WH: 894
Birnhaumer ME: 3602
Bissette G: 2860
Biswas SK: 341
Bitensky L: 342, 618
Bitensky M: 3501
Bitensky MW: 343
Bitny-Szlachto S: 3714
Bitsch P: 3494
Bitter-Suermann D: 263
Bixler D: 1077
Bizzi A: 344
Bjerkreim I: 345
Björkhem I: 346
Björklund A: 252
Black AC Jr: 347
Blackburn KJ: 451
Blackmore PF: 1099
Blackstock J: 348
Blaedel ME: 3605
Blagoveshchenskaia NS: 349
Blahošová A: 2864, 3320
Blaiklock RG: 350
Blaine EH: 351
Blair HE: 1270
Blake DD: 3290
Blake J: 2357
Blakeley AG: 352
Blanca M. Berdeja QF: 2339
Blanchard: 4362
Blanford AT: 353
Blank IuA: 354
Blaquier JA: 892
Blaustein M: 837
Blechner JN: 829
Bledsoe T: 355
Bleehen T: 356
Blichert-Toft M: 357
Blinks JR: 59, 358
Blinov MN: 1047
Blinova NN: 2643
Blizniuk VV: 3086
Blobel G: 3607
Bloch B: 506
Block MA: 359
Bloise W: 134, 360, 3959
Blombäck M: 361
Bloom F: 362, 3342
Bloom FE: 1831
Bloom J: 3722
Bloom KS: 363
Bloom SR: 219, 364, 677, 3157
Bloomfield GA: 365
Bloomfield MR: 1436, 1587
Bloomfield SE: 366
Blout ER: 991
Blum AL: 1635
Blum H: 367
Blum JW: 368
Blum M: 369
Blum U: 3064
Blumenschein GR: 3421
Blumgart LH: 370
Blumsohn D: 371
Bluth K: 4391
Boadle-Biber MC: 372
Boardman TJ: 3000
Boass A: 3973
Bobik A: 4297
Bobrova VN: 1822
Bobrow M: 2482
Bočan P: 1026
Bock E: 1606
Bock KD: 373
Bock WJ: 1961
Bockaert J: 423
Boctor A: 374
Boczkowski K: 375
Bod M: 813
Boddy K: 1147
Bodey GP: 265
Bodmer P: 1113
Bodner E: 1679
Bodor F: 1124
Bodwin JS: 659
Boesel RW: 3584
Boesen E: 4268
Boey JH: 376
Boeynaems JM: 1013
Bogan JA: 2836
Bogatov VN: 377
Bogdanić C: 192
Bogdanov AN: 2867
Bogdanova TS: 3155
Bøggild-Madsen NB: 378–379
Bögl W: 380
Bogoslovskiĭ NA: 250
Böhl H: 1675
Böhm G: 2128
Böhme E: 381
Bohn E: 2210
Bohn H: 245
Bohr DF: 297
Bohus B: 382
Boileau M: 383
Boissard C: 2239
Boisseau C: 421
Boissier J: 3251
Boisvert C: 3305
Boisvieux JF: 696
Boivin P: 384
Bokkenheuser VD: 885
Bolaños Díaz A: 1685
Boldt DW: 1163
Bollack C: 4179
Bollgren I: 385
Bolman RM 3d: 4200
Bol'shev VN: 3572
Boltshauser E: 386
Bolufer Gilabert P: 387
Bonadonna G: 388, 3341
Bonaventura LM: 389
Bone HG: 882
Bonel G: 2315
Boneu-Valmalette A: 390
Bonfanti R: 391
Bonifazi E: 2629
Bonilla E: 3472
Bonjour JP: 392–393
Bonne D: 394
Bönner G: 1603
Bonner WM: 4398
Bonneville JF: 2646
Bonnin JM: 395
Bonnin M: 396
Bonow A: 2068
Bonta IL: 4103
Bonting SL: 2001
Boone J: 2252
Boone ML: 397
Boquet P: 1368
Bordier PJ: 999
Bordini O: 398
Boreham DR: 399
Borelli A: 2325
Borer KT: 400
Borisenko KK: 401
Borisova EA: 3903
Borisova NA: 2181–2182
Borkowska J: 1573
Borkowska Z: 2541
Borkowski A: 402, 977, 983
Borkowski W: 114
Bornet EP: 1067
Bornet H: 3353
Boroditsky RS: 403
Borošová E: 3279
Boross M: 404
Boroumand M: 4278
Borovikova TM: 939
Borowiczowa K: 429
Borrero LM: 1395
Borsje B: 925
Borthwick G: 1089
Bortz AI: 1979
Borut A: 405
Borvendég J: 1181
Boryczka AT: 1298
Borzęcka I: 406–407
Bos G: 3698
Bose J: 1023
Bose TK: 408
Boselli G: 2521
Bosiljevac JE: 409
Boskey AL: 410
Bosler O: 549
Boss JH: 545
Bosu WT: 3574
Botella-Llusiá J: 1851
Botero F: 411
Bottermann P: 1698
Bottino S: 3031
Bottoni P: 412
Bouchaud C: 549
Boucher D: 621–622
Bouchet P: 4179
Bouchilloux S: 3326
Boudier JL: 413
Boudouresques J: 414
Boué J: 2434
Bouhuys AL: 415
Bouillé C: 416
Bouillie J: 3839
Bouillon R: 417
Boukhris R: 418–419
Bounous CG: 2031
Bourassa M: 420
Bourdon AT: 1751
Bourdoux P: 890
Bourel D: 421
Bourgain RH: 422
Bourgeois R: 4374
Bourgeois S: 3115–3116
Bourgoin S: 423
Bourke JR: 2355
Bourne WM: 424
Boutin J: 1738
Bove K: 3999
Bovy P: 3330
Bowden RE: 4104
Bowers C: 177
Bowey FS: 206
Bowman BH: 3818
Bowman RE: 425
Boxer LA: 426
Boya J: 557

Boyar RM: 427
Boyd GS: 2570
Boyde A: 1895
Boyes DA: 428
Boyle LE: 1897
Boynton AL: 2490
Božek J: 429
Bracken RB: 430
Brackett NL: 3624
Brackmann M: 4073
Bračok I: 3109
Bračoková I: 3109
Bradley A: 3544
Bradley BA: 1420
Bradley DD: 431
Bradley JF: 432
Bradley JG: 433
Bradley P: 434
Bradley RJ: 435
Bradley SJ: 436
Bradshaw AD: 156
Brady RO: 1270–1271, 2227, 3084
Brain PF: 1383
Braine HG: 3343
Braithwaite SS: 479
Braman SS: 1795
Bramble MG: 437
Branca D: 438
Brancaccio D: 439
Branch RA: 1336
Branch WJ: 440
Branchaud CT: 441
Branchfeld K: 3702
Brand EC: 1242
Branda LA: 784
Brandau H: 442
Brandt HA: 3158
Brandt KH: 4063
Brankova M: 1333
Branton WD: 443
Brasmer TH: 1828
Brass H: 2929
Braude A: 1583
Braun U: 444
Braunstein P: 3718
Braverman LE: 445
Bravkov MF: 4009
Bravo EL: 446
Bravo G: 1303
Bravo R: 447
Brawley RK: 1381
Brayden JE: 2402
Brazaluk AZ: 2772
Brazier DM: 3922
Brecher ML: 448
Brecher P: 3907
Brecht HM: 1582
Breckenridge BM: 481
Breckwoldt M: 449, 3099
Breen GA: 921
Brégeat P: 450
Breithardt G: 1835, 2193
Bremner RM: 451
Bremner WF: 452, 3889
Brémond A: 453
Brendel A: 1001
Brener ED: 256
Brennan LA Jr: 4013
Brennan MF: 976
Brenner FJ: 454
Brenner M: 1326
Brent RL: 859
Breslin JA: 455
Breslow JL: 456–457
Bressler R: 578
Breuer H: 458
Breul SD: 248
Brewer EJ Jr: 1427
Březina Z: 459
Briaud B: 460, 2087, 2650
Bricaire H: 2446
Bricker NS: 461, 1155
Brickman AS: 719, 735
Bricknell OL: 462
Bridges RS: 463
Briggs M: 765
Briggs MH: 765
Brinkley HJ: 3249
Brinkley L: 3011
Brinley FJ Jr: 464, 3471
Brismar G: 465
Brismar J: 465
Brisolese A: 3324
Brisse B: 466
Briston PG: 1058
Britt JH: 467
Brock T: 322
Brockes JP: 3227
Brocki M: 468
Brodan V: 469
Brodde OE: 2766, 4129
Brodie HK: 2458
Brodish A: 1809, 1811
Brodwick MS: 470
Brody TM: 4328
Brogden RN: 471–472
Brollo A: 473
Brommage R: 474
Bromwell K: 1464
Broniszewska-Ardelt B: 608
Bronkhorst FB: 4063
Bronson DL: 475
Brook CG: 476
Brooker G: 2385, 3906
Brookes P: 4240
Brookfield DS: 477
Brooks CJ: 399
Brooks DE: 478
Brooks MH: 479
Brooks SC: 480
Bröschen-Zywietz C: 280
Brossi A: 1773
Brostrom CO: 481
Brostrom MA: 481
Brot N: 3955
Brothers LR 3d: 482
Broughton RE: 3688
Brown AM: 38
Brown BM: 1117
Brown D: 4135
Brown E: 976
Brown EH: 483
Brown EP: 3348
Brown FC: 1546
Brown FL: 484
Brown G: 3214
Brown GM: 485, 1237, 1873
Brown GV: 477
Brown JH: 2602
Brown JJ: 1147
Brown KD: 4111
Brown LM: 3577
Brown RC: 397
Brown RD: 486–487, 4013, 4280
Brown TW: 488
Brown WA: 489, 2284, 3470
Brown WJ: 3482
Brownell P: 443
Brownlie BE: 619
Brownlie SE: 490
Brownsey BG: 2604
Bruchovsky N: 491–492
Brücke P: 2069
Bruckner HW: 493
Bruhat M: 494
Brumback RA: 495
Brumley GW: 3380
Brun C: 191
Brunet MR: 1346
Brunetti M: 3168
Bruni FD: 3720
Bruni GC: 3020
Brunner FP: 496
Brunner H: 497
Brunner KW: 498, 600
Bruns DE: 2470
Brus R: 1030
Brussière JL: 2419
Bruton J: 522
Bruun T: 499
Bryan JT: 70
Bryant BG: 1021–1022
Bryce GF: 1834
Brylska U: 3827
Brynes RK: 500
Bryson MM: 2379
Brytskov VE: 501
Buben M: 1467
Buchan AM: 3157
Bucher H: 3238
Bucher O: 502
Buchet JP: 503
Buchholz R: 3725
Büchner M: 1730
Buchthal A: 504
Buchweitz E: 1234
Bucki J: 3827
Buckton KE: 1296
Bucovaz ET: 2754
Budtz-Olsen OE: 4348
Buffet C: 629
Bugat R: 390
Bugault R: 2646
Buggy J: 505
Bugnon C: 506
Buhl AE: 507
Bukovský A: 3189
Bukowska M: 508
Bukowski RM: 642
Bulekbaeva SE: 1820
Bulić M: 509
Bulienko SD: 510
Bulkley BH: 1381, 1756
Bull HJ: 737
Bullock P: 674
Bundy GL: 1166
Bungyo K: 511
Bunko H: 2099
Bunkova M: 512
Bunner DL: 513
Buntain WL: 514
Bunting S: 2720
Buonanno G: 515
Burani F: 2521
Burchardt U: 516–517
Burckhardt P: 1314
Burden AC: 3333
Burdett K: 518
Burenin IS: 878
Burger AG: 830
Burgess C: 519
Burgman GP: 349
Burik Pla: 520
Burke CW: 753
Burke G: 1845
Burkov SG: 3597
Burkova T: 521
Burlet C: 413
Burman KD: 522, 3688
Burmeister P: 2074
Burn JM: 523
Burnasheva SA: 2404
Burns RA Jr: 3260
Burrington JD: 1845
Burrow GN: 524
Burslem RW: 1566
Burstein S: 525
Burt RW: 526–527
Burtenshaw MD: 1090
Burtin P: 1664
Burton DS: 3528
Burton FG: 528
Burykina LN: 529
Busbee DL: 2571
Busby B: 2368
Busch W: 982, 3406
Bush RK: 530
Bushe KA: 531
Bustos SE: 3529
Busuttil RW: 532–533
Butcher RW: 204
Butler DG: 535
Butler JD: 2779
Butler T: 536
Büttner C: 2074
Butturini U: 537
Buurman R: 3299
Buvat J: 538, 2395
Buvat-Herbaut M: 538
Buxbaum DM: 3507
Buzdar AU: 3421
Buzinschi S: 988
Byus CV: 539, 578

C

Cabo A: 540
Cabrejas M: 2243
Cabrol C: 213

Cachin Y: 541
Caffrey M: 542
Caillé J: 543
Caillens G: 1197
Cain DP: 544
Cain H: 545
Cain MD: 395
Cairella M: 546
Cairncross KD: 234, 547, 3159
Calabro MA: 548
Calas A: 549
Calbiani B: 2498
Calbreath DF: 550
Caldara R: 1143
Caldas AE: 1434
Caldwell J: 551
Caldwell M: 1230
Caldwell WL: 552
Calef E: 1323
Calin A: 553
Callaghan B: 554
Callebaut M: 555
Callen JP: 556
Callingham BA: 1199
Calmat A: 213
Calmette C: 1197
Calmettes C: 1912
Calvo J: 557
Calvo-Mateo MA: 1880
Camacho J: 2020
Camazón P: 3144
Cambiaghi G: 3549
Cameron D: 558
Cameron LE: 559
Cameron M: 4267
Camins MB: 560
Camp BJ: 2466
Camp C: 2845
Campagnoli C: 43, 561, 1346
Campbell IA: 562
Campbell JE: 563
Campbell JG: 490
Campbell JR: 287
Campbell PS: 454, 2580
Campbell RR: 564
Campbell WA: 3195
Campion J: 1964
Campos LA: 1629
Campos ME: 565
Campos-Bañales ME: 11–12, 964
Camps J: 147
Campus GV: 3324
Canales ES: 1141, 4376
Canavese F: 1346
Candeli L: 207
Cangini L: 603
Cangir A: 430
Canivenc R: 396
Canivet J: 566
Cannon ML: 567
Cannon PJ: 590
Cantell K: 568
Canterbury JM: 569–570
Cantor B: 571
Cantrell ET: 2571
Cantrell RW: 1839
Cantú JM: 572
Caperan A: 25
Capitanio MA: 4255
Cappell HD: 2292
Capron A: 2606
Carayon P: 573
Carballeira A: 1830
Carbone C: 574
Carchman RA: 1397
Cardasis CA: 700
Care AD: 1205
Carew LB Jr: 1066
Carey HM: 575
Carey RM: 576
Carey TC: 2645
Cargnelli T: 379
Carinelli S: 603
Carlone NA: 577
Carlson EC: 578
Carlson EJ: 1725
Carlson IH: 2479
Carlson SE: 579
Carlström K: 826, 3744
Carmichael FJ: 2986
Carmichael RD: 580
Carmina E: 581
Carney JA: 81
Caro JF: 316, 637
Caroff J: 296
Caroff SN: 582
Carollo F: 583
Caron MG: 4256
Carpenter MP: 584, 3933
Carr EA Jr: 585
Carr PJ: 1980
Carrer HF: 3460
Carrera Carbo F: 896
Carrillo AJ: 586
Carroll BA: 2265
Carroll M: 585
Carroll RM: 3123
Carter JN: 587
Carter R: 2554
Caruso LR: 4395
Carvalho CA: 588
Carver JG: 589
Carver MJ: 756
Casado S: 3375
Casanova Alvarez N: 2527
Casarella WJ: 590
Casati S: 439
Case DB: 590, 1993
Caselitz J: 591
Casey HW: 1353
Casey L: 1632
Casida JE: 1317
Casnellie JE: 592
Cassel D: 593
Cassin S: 1337
Castaldo C: 515
Castel M: 405
Castelnau P: 1837
Castle JN: 1318
Castner B: 702
Castonguay A: 594
Castrillón MA: 3396
Castro JE: 2762
Caswell HT: 595
Cataland S: 596
Cataldi L: 3970
Cathiard AM: 1531, 3400
Catt KJ: 692, 1005, 3153
Catterall WA: 1726
Cattran DC: 597
Cauchi M: 3965
Caudle AB: 2015
Caulfield MP: 598
Cavalieri RR: 1318
Cavalieri U: 599
Cavalli F: 600
Caves PK: 3889
Cawley LP: 3101
Cawood ML: 3568
Cebrian-Bonesana A: 601
Cecchettin M: 602
Cecchini D: 635
Cech E: 961
Ceda GP: 4085
Cedard L: 4179
Cederqvist LL: 271
Cefis F: 603
Celis ME: 604
Cenani A: 605
Cenciotti L: 606
Cerasi E: 607, 1452–1453
Cerdán Vallejo A: 44, 3016
Ceremużyński L: 608
Cernosek RM: 3043
Cernosek SF: 3043
Cerny JC: 2073
Cerskus AL: 609
Ceruti M: 738
Cervantes A: 766
Cervantes C: 768
Cervantes-Osorio L: 3575
Cesar FP: 2328
Cesselin F: 4098
Chabanais JL: 259
Chabardès D: 610
Chabi E: 1316, 4197
Chabrolle JP: 611–612
Chader G: 3866
Chader GJ: 2177
Chadlou R: 613
Chaffey JT: 1704, 2991
Chai CY: 614
Chaikin BS: 615
Chaimovitz C: 4270
Chakrabarti P: 2518
Chakraborti D: 3567
Chakraborty J: 861
Chakraborty PK: 4244
Chalfie M: 616
Challberg MD: 1978
Chalmers GL: 617
Chalmers TM: 1913–1914
Chaloner PJ: 1342
Chambaz EM: 881
Chambers DJ: 618
Chambers S: 619
Chambolle P: 1924
Chamness GC: 2475
Chamorro G: 620, 2339
Champeyroux J: 621–622
Chamski A: 2453
Chan GM: 623
Chan PH: 624
Chan SJ: 3759
Chan ST: 1200
Chan T: 3248
Chan TM: 1099
Chan V: 2926
Chan-Palay V: 625
Chanda JJ: 556
Chandler JA: 3632
Chandra H: 1938
Chandra V: 93
Chandrabose K: 2274
Chandrasekhar K: 1562
Chang AE: 829
Chang LC: 626
Chang MC: 3409
Chang RC: 3481
Chang SC: 4339
Changaris DG: 627
Channick BJ: 595, 2542
Chantaraprateep P: 628
Chao FC: 2007
Chao TC: 3900
Chapler FK: 3822
Chapman C: 3600
Chapman JM: 3118
Chappard D: 2287
Chaput JC: 629
Charalampous KD: 630
Charbonnel B: 632, 682
Chard T: 3645
Charles JF: 296
Charman M: 2290
Charp PA: 631
Charro-Salgado A: 1851
Chase CC: 3344
Chastain D: 3240
Chatal JF: 632
Chatfield DH: 633
Chatterjee A: 238, 1495
Chatterjee SN: 2301
Chatterton RT Jr: 634, 1910, 3310
Chattoraj SC: 635
Chaturvedi AK: 3355
Chaudhri R: 636
Chávez-Lara B: 3575
Chavin W: 1695
Chayen J: 342, 618
Chayen R: 342, 3953
Check JH: 637
Cheek DB: 638
Chen FW: 639
Chen GH: 639
Chen HW: 1946
Chen IW: 623
Chen JN: 2564, 3452
Chen JS: 2631
Chen SL: 4213
Chen TS: 639
Chen WY: 1722
Chen YC: 639
Chenault CB: 1388
Cheng JT: 3876
Cheng KW: 640, 1361
Cheren'ko MP: 641
Cheresharov L: 2116
Chernicoff DP: 642
Cherotchenko IuI: 643

Cherrington AD: 1099
Cherubini E: 644
Chesnokov VN: 2643
Chesnokova EV: 4118
Cheung WY: 645, 4142
Chevalier G: 2239
Chevillard C: 646–647
Chevrot A: 648
Chew PC: 3248
Chhetri MK: 1023
Chia BL: 3900
Chia WY: 2378
Chiara G: 2574
Chiarelli M: 2710
Chiavarelli R: 644
Chiba S: 649–650
Chiba T: 347, 651
Chibisova VA: 3457
Chichłowska J: 652
Chiciński E: 653
Chieh-ping W: 654
Chien KR: 655
Chihara K: 3481
Chilvers C: 295
Ching-an C: 3936
Chiodera P: 4085
Chiodini PG: 3652
Chipail GG: 656
Chipman J: 427
Chipperfield B: 657
Chipperfield JR: 657
Chir M: 4259
Chisci R: 2710
Chisholm GD: 1342
Chişu A: 1449
Chiu KW: 658
Chiueh CC: 4183
Chivers L: 2080
Cho G: 217
Cho KW: 3033
Cho-Chung YS: 659
Chodakowska J: 4287
Chodos RB: 2443
Choe J: 660
Choffat P: 4078
Choffel C: 2297
Chogtu L: 2016
Chojecka H: 661
Chokroverty M: 662
Chokroverty S: 662
Cholewa M: 2541
Chomczyński P: 663–664
Chomicka LK: 665
Chong CH: 2974
Choovoravech P: 666
Chopp RT: 667
Chopra IJ: 3688
Chosack A: 1259
Chou JY: 668
Chou SN: 60
Chou SY: 1178
Chouinard G: 2343
Chouraqui J: 669
Chovan JP: 3477
Chowdhury AK: 1734
Chowdhury M: 327
Chowdhury PK: 1023
Choy YM: 670
Chrétien M: 420
Christensen J: 378
Christensen LF: 2673
Christensen LW: 671
Christensen MS: 1532
Christensen NJ: 1290, 1638
Christensson T: 672
Christiaens JL: 3980
Christian C: 2472
Christian CL: 673
Christian CN: 674
Christiansen C: 357
Christie R: 675
Christie WB: 2875
Christlieb AR: 676
Christodorescu D: 3185
Christofides H: 3157
Christofides ND: 677
Christy JH: 3945
Chrysant SG: 678
Chrz R: 2086
Chu JY: 679
Chu LL: 2474
Chu W: 1720
Chua EJ: 3867
Chuang DM: 1477
Chuang L: 3965
Chubick A: 680
Chui LA: 1384
Chung D: 2356
Chung KW: 681
Chupin F: 682
Chupin M: 682
Church C: 454
Church MK: 683
Churchill DN: 684
Churesigaew S: 685
Chused TM: 2770
Chuvilina OY: 686
Chytil F: 2973
Ciampani N: 3211
Ciaranello RD: 687–688
Ciarlone AE: 689
Ciatto A: 690
Cicala S: 200
Ciccarese S: 691, 2941
Cicio G: 329
Cicotto S: 3087
Cifuentes de Castro I: 3197
Cigorraga SB: 692
Cillo C: 3092–3093
Cima P: 923
Cini M: 344
Cintorino M: 3971
Cintra AB: 2325
Cirla AM: 693
Cislaghi GU: 208
Ciszewska-Popiołek B: 694
Citti U: 695, 3554
Claesson HE: 2386
Claflin AJ: 570
Clair T: 659
Claire M: 696, 770
Clamon GH: 697
Clark AC: 2391
Clark AF: 2706, 3899
Clark AR: 698
Clark C: 3352
Clark CR: 699
Clark DE: 2369
Clark DR: 2466
Clark JH: 700, 1074
Clark JS: 701
Clark MR: 4256
Clark OH: 702–703
Clark RA: 704
Clark RB: 204, 705
Clarke DE: 124
Clarke IJ: 706
Clarkson BD: 2642
Clarkson JM: 1092
Claus TH: 3140
Clauss RO: 959
Claussen C: 3511
Clauzel AM: 707
Clay C: 1569
Claybaugh JR: 708
Clayden GS: 65
Cleary RE: 389
Clein GP: 4254
Clemens JA: 709
Clemens LG: 710
Clemens MR: 711
Clemens TL: 712
Clement-Cormier YC: 713
Clements JA: 3001
Clements PJ: 3462
Clifton KH: 714
Cline MJ: 2090–2091
Clineschmidt BV: 715
Closse A: 716
Closset J: 717–718, 2497
Clot J: 1480–1481
Coburn JW: 719, 735
Cocchi D: 942, 2412
Cochran JW: 720
Cochran M: 721
Cody V: 996
Coe B: 1632
Coe FL: 722, 2725
Coe JY: 3763
Coevoet B: 1197
Coffey RG: 723, 3812
Coggins CH: 138
Coghlan JP: 483
Cohen AI: 724
Cohen BM: 1980
Cohen CJ: 493
Cohen EL: 742
Cohen IM: 725
Cohen JC: 3301
Cohen KW: 3812
Cohen MS: 726
Cohen P: 394
Cohen S: 1162, 2079
Cohen VI: 727
Cohen-Solal L: 728
Cohn DV: 729–730, 2474
Colafranceschi M: 2332
Colás AE: 79–80
Colby HD: 731
Cole RS: 1893
Coleman R: 732
Coles EM: 733
Colindres RE: 2296
Colle R: 2540
Collins A: 734
Collins AJ: 1083
Collins DC: 2804, 4305–4306
Collins E: 2147
Collins GJ: 1473
Collins WF Jr: 3946
Collins-Williams C: 2307
Colman RW: 1122
Colodro IH: 735
Colombo F: 3031
Colquhoun BD: 1668
Colquhoun MC: 314
Coltman CA Jr: 3343
Combarnous Y: 736, 2497
Combes PF: 390
Combes R: 4047
Comelli A: 874
Cominacini L: 2411
Comino R: 964
Comisarow RH: 563
Como ML: 3031
Comotti L: 948
Compston JE: 737
Comsulea L: 1319
Concu A: 2961
Condemi V: 738
Condon JR: 739
Condorelli L: 86, 740
Condrea H: 251
Congote LF: 741
Coniglio LP: 710
Conn JW: 742
Conn P: 2355
Conn PM: 1005
Conner E: 2796
Connolly JG: 2706
Connor WG: 397
Conolly ME: 1437–1438
Conrad JH: 2020
Consoli A: 200
Consolo S: 3422
Constantinovici A: 123
Conte N: 743
Contesso G: 2601
Contet-Audonneau JL: 744
Conti C: 1103
Contreras RJ: 745
Convey EM: 3004
Cook DE: 3122
Cook J: 3120
Cook JD: 746
Cook RM: 747
Cooke BA: 1850
Cooke DJ: 733
Cooke HJ: 748–749, 2482
Cooke ID: 3706
Cooke TJ: 376
Cooley G: 636
Cooley MA: 750
Coons EE: 751
Cooper B: 53
Cooper CW: 3973
Cooper DS: 752
Cooper E: 753
Cooper JD: 754
Cooperman D: 755

Copenhaver JH: 756
Coppe D: 757–758
Corbier P: 759
Corbin A: 760
Corbin JD: 761–762
Corcoran JM: 587
Corcos A: 2291
Corder MP: 697
Corey EJ: 783
Corker CS: 526, 763–764
Cormier MJ: 77
Cornell L: 2514
Cornell RC: 1889
Cornish EJ: 765
Coronella L: 241
Corratge P: 1836
Correa P: 3636
Correns HJ: 4391
Correu-Azcona S: 766
Corriveau DP: 489
Cortes EP: 767
Cortés-Gallegos V: 768
Cortese F: 769
Corti T: 391
Corvol P: 55, 696, 770, 1293, 2276, 3254
Cossman J: 771
Costa E: 772, 1356, 1477
Costa M: 1272
Costales M: 4092
Costoff A: 4156
Cote E: 773
Côté MG: 1312
Cotelingam JD: 774
Cotes PM: 775, 3782
Cotter GW: 776
Cottier P: 3276
Cottini R: 116
Cotzias GC: 3873
Coulibaly D: 2081
Coulombe P: 2978
Coulson WF: 636
Coulton L: 2555
Counsell RE: 594
Couraud L: 777
Court JM: 1014
Coustenoble J: 3478
Coutts JR: 1172
Cowan A: 778
Cowan RL: 487
Cowden EA: 779
Cowie AT: 1555
Cox B: 547, 780
Coy DH: 1851, 3481
Cozzutto C: 874
Crabtree GR: 2792
Craft I: 781
Crafts D: 4262
Craig A: 1172
Cramer DL: 4394
Crammer JL: 782
Cran DG: 2722
Crane BH: 783
Cranford MA: 186
Crankshaw DJ: 784
Crankshaw DP: 156, 785
Crastes de Paulet A: 2657–2658, 3163
Craven DJ: 786
Craven PA: 787, 914
Crawford A: 788, 2555
Crawford JE: 4198
Creutz CE: 3158
Creutzig H: 789
Crickard K: 3822
Crim JW: 936
Crippa A: 923
Crist WM: 790
Cristodorescu R: 791, 1319
Critchlow V: 3288
Crockson AP: 792
Crockson RA: 792
Cromie WJ: 1348
Cromwell LD: 793
Cronqvist S: 306, 465
Crooke D: 1083
Cros D: 414
Crosby NT: 1751
Crosignani PG: 3274
Croskerry PG: 794–795
Crouzat-Reynes G: 2297
Crowley JJ: 714
Crowley WR: 796–798
Crowther ME: 3175
Cruce JA: 799
Cruchaud A: 4201
Crumley AF: 1889
Crummy AB: 2479
Crupi M: 1179
Cruz R de A: 800
Crystal RG: 248
Csongor J: 190
Cuadrado Colorado L: 801
Cuadros JL: 11
Cuajares A: 2477
Cuatrecasas P: 2274
Cuello AC: 1062
Cuendet GS: 3222
Cuendet JF: 802
Cuestas RA: 803
Culig V: 804
Culp WC: 805
Culver DH: 3923
Cummings JH: 440, 806
Cundy T: 1950
Cunnane S: 67, 1708
Cunningham CC: 3030
Cunningham FJ: 1066
Cunningham SG: 807
Cunningham T: 2863
Cunow E: 4366
Cunsolo A: 1472
Cupidi G: 808
Curchod A: 809
Curet LB: 79–80, 2479
Curnow DH: 3890
Curtarelli G: 1143
Curzon G: 2547
Cuthbert J: 526
Cuthbertson DP: 810
Cynowski L: 812
Cyrkowicz A: 1842
Cyrus J: 3647
Czajka R: 2058
Czapek EE: 811
Czauderna J: 812
Czeizel E: 813
Czernichow P: 3053
Czernobilsky B: 2625
Czerwinski AW: 1588
Czerwiński W: 429

D

Daane TA: 251
Dabancens A: 814–815, 1250
Dacheux F: 816
Dacheux JL: 1863
Dafny N: 3484–3485
D'Agata R: 817
Dahl MV: 818–819
Dahlenburg GW: 2600
Dahlgren C: 3760
Dahlgren RR: 3791
Dahlöf LG: 820
Daikoku S: 2039, 2588
Dailey JW: 821
Daimon T: 822
Dajie SK: 371
Dakshinamurti K: 919
Dal Poz R: 3075
Dalakos TG: 1054
d'Alayer J: 2721
D'Alberton A: 3274
Dale DC: 1306
Dale E: 4306
Dalen A: 1527
Dalén N: 4388
Dalgard DW: 3636
Dalhem A: 890
Dallman MF: 4084
Dall'olio G: 4070
Dally S: 823
Dalmaz Y: 824
Dalton AJ: 475
Daly JJ: 2064
Daly JR: 2767
Daly JW: 3530
Damassa DA: 1431
Damber JE: 825
Damber MG: 826, 1702
Dame DA: 3547
Dameron F: 827, 2538
D'Amico D: 828
Damjanov I: 829
D'Amour F: 3555
Danforth E Jr: 830
Danguy A: 924
Dani HM: 1153, 2205
Daniel CW: 35
Daniel EE: 784
Daniel PM: 831
Daniele E: 832
Danielson BG: 166
Danielson J: 3350
Danilowicz D: 27
Danis RK: 3808
Danon A: 833
Danzo BJ: 834
Dao T: 2863
Dao TL: 1794
Da Prada M: 368, 2421
Darby AJ: 1549, 3263
Darby WJ: 3954
D'Arcangelo GV: 398
Darden TR: 4352
Dargent D: 835–836
Daries PS: 2429
Darlow B: 3922
D'Armiento M: 4378
Darnell A: 146
Darnis F: 837
da Rosa Martins JC: 838
Darragh AS: 3967
Dart GA: 3865
Das M: 839
Das R: 3911
Das RP: 840–842
Das Gupta TK: 1344
Das Gupta V: 843
Dash RJ: 2204
Datta A: 844
Datta JK: 845–846, 2207, 3356
Daudibertieres L: 847
Dave A: 3096
Dave BK: 848
Daves GD Jr: 229
David DN: 1091
David DS: 366
David JF: 390
David JS: 849
David L: 850, 3433
Davidenkova EF: 851
Davidoff F: 852
Davidson DW: 763–764
Davidson JM: 1431–1432, 1874
Davidson MM: 1565
Davidson S: 853
Davie M: 1913–1914
Davies DC: 854
Davies DL: 1147
Davies E: 855
Davies IJ: 2848, 3589
Davies JA: 856, 3974–3975
Davies MK: 3333
Davies P: 2480, 2881, 3006, 4144
Davies PJ: 4143
Davies R: 4238
Davies SA: 551
Davies T: 1565
Davignon J: 1002
Davila D: 857
Davila T: 857
Davis A: 858
Davis BB: 1625
Davis BM: 859
Davis JC: 860
Davis JO: 4164
Davis M: 861
Davis MD: 1513
Davis PB: 862
Davis RH Jr: 2466
Davis RL: 863, 3286
Davis WG: 3967
Davison S: 3729
Davoli C: 864
Dawborn JK: 788, 2555
Dawood MY: 4349
Dawson EB: 865
Dawson EC: 866
Dawson RM: 867

AUTHOR INDEX

Day DA: 868
Dayal B: 132
Dayton GO: 869
Deakin JF: 870
Dean WL: 871
de Araujo PS: 884
deAsis DN Jr: 3421
Deavers DR: 2802
de Azevedo BA: 1187
Debeljuk L: 872–873, 2517
De Benardi B: 874
Debray J: 95
Debre P: 1694
de Campos EP: 1068
de Carvalho AC: 3428
de Carvalho WD: 2376
DeCastro S: 1009
Dechenne C: 2497
Deckart H: 875, 2056
Deckart-Hamann E: 875, 2056
Decker JL: 4253
Declercq G: 909
Declercq P: 402
DeConti G: 2752
Decoster C: 1013
Decoulx M: 876, 2395
de Cuarón CH: 3435
Dedek W: 877
Dedov II: 878
Deegan MJ: 771
Deeming SB: 879
De Estrada R: 3837
Deev AD: 1335
De F.W. Goonaratna C: 880
Defaye G: 881
De Feo MR: 644
DeForrest JM: 4164
de Fremont JF: 1197
Deftos LJ: 702, 882
de Gaetano G: 2406
Degenhardt G: 1711
De Gennes JL: 883, 4098
de Graaf FK: 2998
De Groot K: 3271
DeGroot LJ: 2966
Degrossi OJ: 2243
De Gruyl J: 1857
de Haas GH: 884
de Haro C: 844
Dehazya P: 885
Dehoux P: 1339
De Jager RL: 3756
de Jong PE: 886
de Jong-van den Berg LT: 886
DeKlerk DP: 2467
de Koning J: 887
de Kruif A: 888
de la Chapelle A: 889
de la Parra G: 2415
de la Peña A: 1388
de la Rosa A: 2477
De la Vega Vázquez JM: 1685
de Laharpe F: 3503
Delange F: 890, 2110
DeLap L: 891
de Larminat MA: 892
Delarue C: 4076
Delarue JC: 2601
de Lauture D: 612
Delavierre P: 1339
del Campo GL: 1851
del Castillo J: 893
De Leeuw I: 9
de Leeuw PW: 894
Delfini C: 2431
D'Elia JA: 676
Deligdish L: 2607
Delitala G: 2567
Delling G: 2936
Delost P: 3010
Delouis C: 1714
del Pozo JM: 1303
Del Río AG: 895
del Rio Vázquez A: 896
DeLuca HF: 276, 623, 897–898, 2206, 3809
Delville J: 899
Demacker PN: 3476
de Marco F: 2289
DeMartino GN: 900
Dembińska-Kieć A: 901
Deme D: 902
De Medio GE: 3168
de Mello D: 679, 3808
de Mendonça BB: 360
Demeneix BA: 903–904
Dement'eva GM: 905
Demin EV: 1990
Demina NA: 878
Demol P: 3441
de Montis G: 612
De Montis GM: 2961
de Moor P: 417
Demottaz D: 1083
Den M: 906
De Nardo D: 832
Dencker L: 907
Denef C: 908
Deng JS: 639
Dengler HJ: 4044
Denham DA: 2731
Denimal J: 313
Denis L: 909
Denissen AE: 866
Denlinger JK: 3378
Dent CE: 739
Dent J: 957
De Palo GM: 910
de Pont JJ: 2001
Depowska T: 114
Depowski M: 114
Deppe G: 493
DeQuattro V: 1080
Dequeker J: 2535
de Ranieri E: 289
Derks HJ: 911–913
de Rohan-Chabot P: 3243
DeRouen T: 2647
Derry CD: 4268
DeRubertis FR: 787, 914
Dervish MT: 1510
Descarries L: 915
D'Escatha P: 837
Deschaux P: 916
Descomps B: 2657–2658, 3163
Descôteaux JP: 917
Deshpande N: 918
Désirier D: 1485
Desjardins PR: 919
Desplaces N: 2236–2237
Desplan C: 1197
Dessaint JP: 920, 2606
Desser RK: 500
Dessert N: 2458
De Stefano F: 1144
Deubelle A: 4069
de Ulhoa Cintra AB: 2611
Deutsch E: 2123
Deutsch G: 791, 1319
Devaux C: 1293
de Vellis J: 921, 3906
Devereux TR: 922
Devi PK: 2793, 3096, 3604, 4048
Devictor M: 2434
Devilla L: 2567
Devinoy E: 1714
De Virgiliis G: 923
DeVivo DC: 1584
Devjataev A: 257
Devleeschouwer N: 924
de Vos R: 4071
de Vries EJ: 925
de Vries J: 926
Devriese PP: 927
Devynck MA: 928
de Waal JM: 929
Dewald G: 930
Dewar AE: 2461
de Wied D: 382
Deykin D: 811
Dhatt PS: 3885
Dhawan BN: 3212
Dhindsa KS: 931
Dia B: 2081
Diaconescu M: 656
Diaconu D: 932, 2530
Diamant B: 1992
Diamond J: 933
Diana A: 3005
Dianov L: 185
Díaz J: 2684
Diaz L: 3365
Díaz M: 163
Diaz R: 2863
Diaz-Infante A: 893
Di Bella FP: 934
Di Benedetto G: 1790
Di Cesare D: 3736
di Chiara G: 2961
Dickerman Z: 935
Dickhoff WW: 936
Dickson IR: 937
Diddie KR: 938
Didkovskil NA: 939
Dieges PH: 940
Diemer NH: 2912
Dien PY: 3369
Dienemann H: 1609
Dienst SG: 3960
Dietz R: 941, 1461, 2445, 2524
DiGiovanni J: 1909
Di Giulio AM: 942
Dijkstra H: 3918–3919
Dikshit S: 4049
Dilger J: 943
Diliberto EJ Jr: 1284
Dillmann WH: 2626, 2977
Dils R: 2080
DiMauro S: 3472
Dimond RC: 522, 3688
Dinakar N: 122
Dingle JT: 944
Diop G: 2081
Diouf S: 2081
Di Renzo G: 3219
Dirks JF: 945
Dirks JH: 3814
Dirksen H: 75
Dirksen TR: 3529
Di Stefano S: 2736
Distiller LA: 2750
Distler JJ: 946, 3438
Di Teodoro A: 947
Di Toma C: 948
Di Toro R: 949
Ditrói F: 190
Dix CJ: 1899
Dixon GH: 1321
Dixon KE: 2549
Dixson AF: 950
Djärv L: 83
Djöseland O: 951
Djuh YY: 522
Do HM: 2399
Doane H: 952
Doane MG: 953
Dobbie JW: 779
Dobbs RE: 2820
Doberauer B: 954
Doberauer W: 954
Döbrönte Z: 955
Dobrovol'skaia SG: 1761
Dobson JG: 2602
Doci R: 910
Docter R: 3698
Dodd RY: 956
Dodds WJ: 957
Dodion J: 890
Dodson MG: 958
Doering CH: 2458
Doering RW: 436
Doerr-Schott J: 959
Döge H: 1602
Dohlman CH: 953
Dolby JM: 3762
Doleček R: 960
Doležalová B: 961
Dolgova-Kerubin V: 3571
Dolin R: 4253
Doliński J: 331, 962
Dollery CT: 963
Dolz M: 11–12, 964
Doman NG: 1489–1490
Domański E: 665
Dományházi G: 965
Domby WR: 966
Domene J: 540
Domschke S: 967
Domschke W: 967
Donahoo JS: 1381
Donaldson ES: 4068

Donát J: 968–969
Doneva V: 3571
Donhuijsen-Ant R: 970
Donini A: 4070
Donker AJ: 886
Donner L: 971
Donohue TA: 1195
Donovan BT: 972–974
Dontsova GV: 2117
Doonan S: 975
Doorn EV: 491
Doppman JL: 976
Dor P: 977
Dordevic M: 978
Dore A: 2493
Dorflinger LJ: 3921
Dörner G: 1730
Doron Y: 3657
Doroshenko PA: 979–980
Doroszewski J: 2892
Dorsch C: 981
Dorsey JH: 251
Dorst J: 982, 3406
Dosogne M: 402
Dosogne-Guérin M: 983
Dosoretz D: 2711
Dostál C: 3059
Dostrovsky JO: 870
Dott HM: 2722
Douenne JL: 2293
Douglas WW: 984
Douglis F: 2752
Doungbarn J: 107
Dousa TP: 985, 3543
Dowling AS: 1676
Downham TF Jr: 986
Downs A: 1861–1862
Dozier TS: 1388
Draenert K: 987
Dragomirescu M: 988
Dragon A: 664
Drake SR: 4268
Drapier E: 3321
Drasar BS: 806
Drasin GF: 989
Dray F: 2137
Drayer JI: 1671
Drayer NM: 911–913
Drenth J: 990
Dresch C: 2819
Drewinko B: 91
Dreyer E: 4182
Dreyfuss G: 991
Drobný J: 2066
Droese KM: 2002
Drouin J: 2245
Drozhzhina TA: 2140
Drüeke T: 992
Druetz JE: 4045
Drummond GI: 1727
Drummond GS: 993
Drury PL: 4072
Drury RA: 994
Dry J: 3146
Dryburch JR: 3157
D'Sa E: 1936
D'Souza RA: 995
Duarte I: 3313
Duax WL: 996
Dubach UC: 496
Dubilel PV: 997
Dubocovich ML: 3079
Dubois M: 3456
Dubois MP: 268, 816, 959, 1182–1184, 3053
Dubois PM: 268, 3053
Dubois RS: 998
Dubost C: 999
Dubrovskaia VF: 1000
Dubyak G: 3471
Ducassou D: 1001
Duchene N: 646
Duckett JW Jr: 1348
Duclos P: 1002
Ducos R: 790
Ducret F: 1003
Ducrocq MB: 55
Dudai Y: 3551
Dudley CA: 1999, 2764
Duell EA: 4122
Duello T: 1004
Dufau ML: 692, 1005, 3153
Duffy GJ: 1006–1007
Duffy MJ: 1006–1007
Duganzich DM: 4198
Dugas du Villard JA: 3985
Dugwekar YG: 1877
Duick DS: 1412
Al-Dujaili EA: 1008
Dujovny M: 1009
Dumański Z: 4173–4175
Dumas D: 1010
Dumas PJ: 777
Dummett CO Jr: 1011
Dumont F: 1012
Dumont JE: 855, 1013
Dumoulin M: 4060
Duncan GW: 528
Duncan LJ: 562, 3751
Dunlop M: 1014
Dunn A: 3660
Dunn F: 1416
Dunn MW: 3721
Dunnett J: 1015
Dunzendorfer U: 1016
Duponchel C: 727
Dupont C: 1017
Dupont Y: 1018
Dupre J: 1715
Dupre P: 3741
Dupuy JM: 1019
Duque C: 1020
Durie BG: 3415
Duriez M: 3796
Durkee DP: 1021–1022
Dutta AL: 1023
Dutta AS: 1024
Dutton A: 1025
Duval D: 1694
Duvall D: 1894
Duvall JM: 2678
Dvořák K: 1026
Dwoskin LP: 1952
Dwyer D: 435
Dwyer T: 1027
Dyball RE: 2753
Dyck PJ: 4339
Dyer RG: 1025, 1028
Dyster-Aas K: 2272
Dzhangirov PL: 1029
Dzik T: 3829
Dzikowski A: 1030

E

Eagle H: 32
Ealey PA: 342
Earp HS: 2098, 3758
East LE: 2413
Eastman CJ: 587
Eastwood J: 1031
Eaton DC: 470
Ebata T: 1032–1035
Ebel A: 2519
Ebel H: 4382
Ebel RE: 1036
Eberle A: 3537
Ebert S: 3366
Ebina H: 2564
Eckert HG: 1037
Eckert M: 1038
Eckstein B: 1039
Economou SG: 4282
Ectors M: 4374
Edelman IS: 2363
Edelson J: 4257
Edgar PR: 1372
Edgren RA: 3261
Edminston A: 1802
Edmond P: 763
Edmonds CJ: 1040
Edouard C: 276
Edsmyr F: 361
Edwards CR: 1008
Edwards DJ: 1041
Edwards JH: 1042
Edwards RG: 1200–1201
Edwardson JA: 292
Eeckhout Y: 4045
Egedorf J: 357
Egert D: 1043
Egg D: 1044
Egger H: 3531
Egger HJ: 1045
Egloff B: 1113
Egner E: 545
Egorin MJ: 1046
Egorova VA: 1047
Egozcue J: 1300
Eguchi M: 1768
Ehrenkranz JR: 1431
Ehrenstein G: 1726
Ehrhardt AA: 2462
Ehrhardt G: 2885
Ehring F: 613
Ehrlich EN: 2387
Ehrlich GE: 1048
Eibach E: 4124
Eicher EM: 1049
Eichner M: 1494
Eienbröker B: 1711
Eigenheer F: 2190
Eilon G: 3231
Eimerl D: 2639
Einarsson B: 2390
Einhorn R: 18
Eisele R: 2190
Eistola P: 3081
El Abed A: 1050
Elabed A: 3796
Eldor A: 1051
Eldred WD: 1052
Elfenbein GJ: 1053
Elias AN: 1054
Elizondo RS: 222
Elkeles RS: 3104
Elkik F: 3254
Elkind KE: 2032
Ellendorff F: 3042
Eller BC: 834
Elliott GR: 1072
Ellis BW: 1744
Ellis PP: 1055
Ellison ML: 2940
Elmore RG: 2015
Elnaggar M: 1056
Elphick HR: 2491
Elphick MC: 1057
Elstein M: 1058
Elston CW: 1204
Elsukov VG: 1493
Elwood JM: 2546
Emanuel E: 1059
Embil JA: 3413
Emirbikov EE: 1060
Emmrich P: 1061
Emons G: 187
Emperaire JC: 148
Emson PC: 1062
Endo K: 1063, 1256, 2112–2113, 3850, 3855
Endo M: 1662, 2589
Endo Y: 1064
Eneroth P: 1277
Engberg S: 1065
Engel W: 4385
Engel WK: 746
Engelbrecht FM: 3344
Engelfriet CP: 4061
Engelking R: 3557
England P: 1172
English J: 861
Engster HM: 1066
Enterline HT: 2014
Entman ML: 1067
Enzing CM: 990
Epid SM: 2546
Epps D: 1068
Epstein J: 456–457
Epstein M: 1069–1070
Erb HN: 1071
Ercan MT: 1488
Erdelyi E: 1072
Erdmann WA: 1246
Erginel A: 605
Erickson RP: 1073
Ericsson P: 3327
Eriksson H: 1074
Eriksson M: 3744
Eriksson O: 4214
Ermans AM: 890

Ermisch A: 1075
Ernest JT: 938
Erneux C: 1013
Erneux T: 1377
Eroschenko VP: 1076
Errington N: 3965
Erzsébet M: 1281
Eschbach H: 4391
Escobar V: 1077
Eshun-Wilson K: 1078
Eskay RL: 2963, 4153
Eskildsen PC: 1079
Esler M: 1080
Esplugues J: 2989
Esposito BA: 3069
Esposito L: 1081
Esquivel PS: 1082
Esquivel R: 1116
Esselinckx W: 1083
Esteban J: 540
Esterly JA: 2418
Esthela Carreño QF: 620, 2339
Estler CJ: 3799
Etienne J: 629, 1084
Etingof RN: 1085
Etling N: 1086–1087
Eulry F: 1088
Eurin J: 1483
Evan AP: 2043
Evans BA: 1089
Evans EP: 1090
Evans GA: 1091
Evans HJ: 1092
Evans JP: 1093
Evans PD: 1094
Evans RA: 1095
Evans RW: 1096
Evered DC: 2355, 4347
Everett RB: 1097
Evers C: 1098
Evins JD: 4150
Exton JH: 1099
Ezaki T: 3859
Ezrin C: 2138

F

Faber RB: 455
Faberová J: 1692
Fabián J: 469
Fabiánová J: 3710
Fabiato A: 1100
Fabiato F: 1100
Facchinetti F: 2620
Fadda F: 108
Faenza A: 1472
Fagard RH: 2372
Faglia G: 1101
Fahmy DR: 4141
Faillace LA: 1502
Faiman C: 403
Faín FS: 2404
Fair WR: 3745
Fairey RN: 428
Fairweather DV: 1102, 4154
Faith MR: 365
Faivre-Bauman A: 246
Fajardo Gálvez J: 1685
Falaschi P: 1103
Falch J: 1104
Falch JA: 1105
Falcone R: 874
Falconer IR: 1106
Falk RB Jr: 3378
Falkay G: 3831
Fallet GH: 1107
Fallon JH: 1108–1110
Famaey JP: 1186
Famuyiwa O: 2460
Fanchenko ND: 1111–1112
Fanconi A: 1113
Fang VS: 1114–1115, 2623, 2966, 4289
Fanghanel G: 1116
Fanous AS: 635
Farber BL: 1933
Farber DB: 1117
Farber JL: 655
Farias AE: 3938
Farid NR: 2709
Farivar H: 4278
Farkas G: 2577
Farmer SR: 1118
Farner DS: 4352–4353
Farr RS: 1119
Farr W: 1613
Farrell RJ: 1120
Farrow J: 3984
Farver T: 3294
Fassold E: 2843
Fauci AS: 1749
Faulk RH: 1121
Faupel RP: 1574
Favalli L: 4097
Favis GR: 1122
Favus MJ: 2725
Fayet G: 68
Fayos JV: 1123
Fazekas T: 1124
Feaster M: 1473
Fedenko EP: 1489–1490
Feder HH: 463, 797
Fedorov VD: 1125
Fedotenko SP: 3003
Fehr B: 4137
Feige A: 1126
Feigelson P: 891
Feigl EO: 807
Feiglin B: 1127
Feinman JA: 2649
Feldman D: 660, 1128
Feldman JM: 1129
Felici W: 2839
Felix D: 1130
Fell LR: 1266
Feller DR: 3131
Fellman N: 1131
Fellmann D: 506
Fellner MJ: 1132
Felner AE: 4136
Felsted RL: 1046
Felt V: 1133
Feltynowski T: 4287
Feng PH: 3900
Fenn ME: 4386
Fennell JS: 1134
Fenoglio CM: 1135
Fenzi GF: 1136
Ferder LF: 1178
Ferguson-Smith MA: 4274
Ferin J: 3148
Ferland L: 1277
Ferlatte MI: 1137
Fern EB: 1138
Fern M: 1138
Fernandes M: 1139
Fernandez C: 1140
Fernandez EO: 128
Fernández-Lazala R: 1141
Ferrand R: 1229
Ferrando R: 1142
Ferrari C: 1101, 1143
Ferrari M: 2411
Ferraris R: 1144
Ferraz AR: 3920
Ferree C: 3290
Ferrendelli JA: 724, 1145
Ferretti JL: 1146
Ferrini O: 1790
Ferriss JB: 1147
Ferry J: 999
Ferulano GP: 4378
Fessia L: 561
Fessler RG: 2623
Fetner C: 3011
Fevre M: 427
Fialkow PJ: 1235
Ficher M: 1148
Fick KR: 2020
Fidanza A: 1149
Fiebig HH: 1150
Fiehn W: 1151
Field M: 1152
Fielder JA: 1153
Fierstater EM: 7
Figueroa Casas PR: 167
Fildes FJ: 1154
Filimontseva GS: 1424
Filipczyński L: 1084
Filippa D: 2642
Filly RA: 488
Finavera L: 116
Finberg L: 3332
Fine LG: 1155
Fine SA: 1156
Finegan JK: 436
Finlayson B: 1900
Finne PH: 42, 1527
Fiol C: 4293
Fioratti PA: 2328
Fiorentini R: 1139
Fioretti D: 743
Fioretti P: 2620
Firkin FC: 1206
Firth JA: 1157
Firusian N: 1158
Fischer D: 1159
Fischer GM: 1160
Fischer H: 4177
Fischer HD: 2072
Fischer JA: 368, 1753
Fischer MS: 3793
Fischer V: 1509
Fischer W: 2157
Fisher JW: 1161
Fisher RS: 1162
Fishman LM: 1830
Fishman RA: 624
Fitz CR: 1163, 2379
FitzGerald GA: 1164
Fitzgerald JD: 1165
Fitzgerald KT: 1894
Fitzpatrick FA: 1166, 1414
Fitzsimons JT: 1167–1168
Flaherty JT: 1381
Flamenbaum W: 1169
Flanagan RJ: 3741
Flandroy L: 1170
Flannery JT: 2546
Flatmark A: 299
Fleer A: 4061
Fleisch H: 392–393
Fleischer S: 4311
Fleischman JA: 2931
Fleming O: 1171
Fleming R: 1172
Flerkó B: 1173
Fletcher RT: 2177
Flint AP: 330
Flitney FW: 1174–1175
Floch HH: 2736
Flockerzi V: 1176
Flockhart DA: 761
Floersheim Y: 1177, 2209
Flombaum CD: 1178
Florez-Lozano JA: 2630
Flueck JA: 934
Focacci C: 1179, 3992
Foder B: 3488
Fogel PI: 510, 1180
Foggi E: 3027
Foker JE: 4151
Fokina AA: 4041
Földes J: 1181
Foley KM: 4116
Foley TP Jr: 262, 1697
Folkers K: 2253
Follénius E: 1182–1184
Follet BK: 564
Fonrodona J: 1185
Fonseca H: 2020
Fontaine J: 1186
Fontaine JH: 456–457
Fontana B: 329
Fontana P Jr: 1187
Fontanges R: 916
Foo T: 2359
Foote RH: 1443, 1750
Foote SL: 1831
Forbes AP: 1188
Forbes GB: 457
Forbes W: 1189
Ford AR: 1190
Ford EJ: 4286
Ford HT: 4254
Foreman MM: 1191
Forest M: 2446
Forn J: 1302
Forni A: 603
Forno LS: 2271

Forrest JB: 1192
Forsbach G: 1141
Forsberg JG: 1934
Forsham P: 4084
Forsyth GW: 1193
Fortuna A: 606
Fossati P: 3980
Fossati-Bellani F: 910
Fossberg TM: 1934
Fossoul C: 1194
Foster J: 829
Foster JH: 1195
Fotherby K: 1196, 3627
Fourlinie JC: 3402
Fournier A: 1197
Fournier M: 1198, 2981
Fouts JR: 922
Fowler CJ: 1199
Fowler DL: 590
Fowler E: 1674
Fowler RE: 1200–1201
Fowler SA: 1202
Fowles JV: 1203
Fox CF: 839
Fox H: 1204
Fox J: 1205
Fox JH: 720
Fox NL: 1201
Fox OD: 1372
Fox RM: 1206
Fox TO: 1207
Fozard JR: 1208–1209
Fraccaro M: 2038
Fracchia F: 1346
Fragu P: 1210
Frajese G: 1103
Fraley EE: 475
Frame B: 359
Francavilla JA: 3749
Francescangeli E: 3168
Franchimont P: 526, 602, 1211
Franchini M: 2332
Francis B: 3706
Francis PB: 3136
Francke U: 3287
François-Gillet C: 4045
Frand M: 853
Fránek M: 2841
Frangakis CJ: 578
Frank M: 1212, 3456
Franke M: 1159
Frankel AI: 1939
Frankel RJ: 1213
Frankenhaeuser M: 734
Frankland AW: 1214
Franklin A: 16
Franklin RB: 3887
Franks J: 3214
Franks S: 1215
Fransen T: 334
Frantsov S: 185
Frantz AG: 1216, 2057
Fraser D: 1217
Fraser GL: 1218
Fraser IS: 1219
Fraser P: 295
Fraser R: 1147, 1220
Frasik W: 3742
Fratis A: 2774
Fray PJ: 2120
Frazier TG: 4155
Frederiksen PL: 1221
Fredholm BB: 1276
Free MJ: 1222
Freed CR: 1223
Freedman B: 1579
Freedman MH: 1224
Freedman S: 1541
Freeman AG: 1428
Freeman AI: 448
Freeman BM: 1225
Freeman CR: 3618
Freeman CS: 1226
Freeman NS: 1227
Freeman RH: 4164
Freeman RK: 1428
Freerksen RW: 149
Fregly MJ: 3930
Freidman MA: 4304
Freitag G: 1228
Freitag J: 1228
Frémont PH: 1229
French SW: 1230
Frenkel JK: 1231
Frenzel J: 1365
Freund M: 2434
Freund S: 2338
Frey MJ: 865
Frey R: 2
Freychet P: 1232
Freymann E: 1730
Friberg LG: 1233
Friberg Y: 4214
Fried D: 1538
Fried FA: 2520
Friedman E: 1234, 2254
Friedman JM: 1235
Friedman WF: 2602
Friedman Z: 4029
Friedmann N: 4147
Friedrich E: 3498
Friend PS: 1236
Friend WC: 1237
Fries GF: 747
Friesen HG: 2400
Frigon RP: 2691
Frijlink W: 335
Frisén L: 1238
Frithz G: 1239, 3327
Fritjofsson A: 1240
Frizzell LA: 1416
Frobish LT: 2373
Froehlich JP: 1241
Frohlich ED: 678
Frohman LA: 1156
Frolich JC: 230
Frölich M: 1242
Frol'kis VV: 1243
Front D: 1244–1245, 1542
Fross KH: 945
Frost AG: 4157
Frunzăreanu N: 656
Fry FJ: 1246
Fry GL: 2457
Fry RJ: 1247
Fryer JN: 1248
Fryns JP: 4060
Fu TS: 1249
Fu-lin C: 1720
Fuensalida S: 814–815, 1250, 2928
Fujieda K: 2589
Fujii H: 1660
Fujii M: 1785
Fujimoto S: 1251
Fujisawa H: 4336
Fujisawa M: 2955–2956
Fujisawa Y: 3408
Fujishima S: 3620
Fujita J: 2589
Fujita T: 1252–1256, 2835, 2994
Fukada T: 1257, 3002
Fukami MH: 1258
Fukami T: 651
Fukaya T: 1923
Fuks A: 1259
Fukuchi M: 1260
Fukuchi S: 1261
Fukuda H: 1262–1263, 2958
Fukuda R: 2221
Fukushima H: 1264, 3615
Fukushima T: 1265
Fukutani K: 1798
Fulkerson WJ: 1266
Fuller RW: 709, 1267
Funabashi T: 2037
Funaki H: 1268
Funasako M: 1252, 2994
Funder JW: 1269, 4297
Funk R: 84
Furbish FS: 1270–1271, 3084
Furness JB: 1272
Furr BJ: 1024
Furrer J: 1273, 3238
Furukawa S: 1274
Furukawa Y: 649
Furumatsu C: 3850
Furuse T: 1765
Fuse A: 1275
Fuse K: 4004
Futterman S: 1593
Fuxe K: 1276–1277, 4236
Fyhrquist F: 1278
Fylling P: 1871

G

Gaasemyr M: 2367
Gabaude Y: 1738
Gabel CA: 1279
Gabibov MM: 1280
Gábor T: 1281
Gachályi B: 1282
Gadhok RS: 1178
Gadner H: 2786
Gaede P: 1283, 3990
Gagnan-Brunette M: 610
Gagnon C: 1284
Gahl G: 1285
Gailani S: 1286
Gaillard G: 621
Gaillard PJ: 1630
Gailliard P: 1479
Gaines RE: 3782
Gaines DAS RE: 775
Gaiser C: 3771
Gaĭstruk VV: 2093
Gaitan E: 2647
Gaiti A: 3168
Gajdošík A: 3986
Gala RR: 3699
Galabov P: 1287–1288
Galand C: 384
Galand P: 1170
Galardy RE: 3737
Galarza A: 2684
Galas DJ: 1289
Galbis M: 540
Galbo H: 1290
Galdi AP: 1291
Gal'dinov GV: 354
Gale K: 1476
Galebskaia LV: 1292
Galen FX: 1293
Galindo J: 46
Galla JH: 2133
Gallager DW: 1294
Gallagher JC: 3297
Gallant V: 1401
Gallardo EA: 1295
Galle P: 2614
Gallegos VC: 3435
Galli G: 2558, 3992
Galloway SM: 1296
Galmozzi C: 439
Galvanini G: 2411
Galy G: 3433
Galyean JR 3d: 1297
Gambarian LS: 1991
Gambino AM: 2866
Ganal M: 2158
Ganatra RD: 1858
Ganguly J: 3436
Ganong WF: 1298
Gant NF: 1097
Ganten D: 2524
Garattini S: 344
Garber AJ: 1067
Garbers DL: 1299
García J: 3837
García M: 1300
García Almagro D: 1301
García de Jalón PD: 3220
García Mora R: 387
García Pérez M: 1301
García-Rafanell J: 1302
García-Robles R: 3375
García-Uría J: 1303
Garcias RC: 1882
Garcy AM: 1304
Gardner FH: 1305–1306
Gardner JD: 1307
Gareev RA: 269
Garfinkel PE: 1873
Garibian AA: 1991
Garner AM: 3416
Garner LL: 2740
Garnier PE: 1308
Garris DR: 1309
Garszel J: 1310

Garverick HA: 2015
Garwood J: 2391
Gasc JM: 1311
Gascon-Barré M: 1312
Gasińska T: 1313
Gaspard U: 1211
Gasparini G: 743
Gasparini M: 910
Gasparoni P: 743
Gasparoux S: 1001
Gasser AB: 1314
Gasteiger U: 4271
Gatei DG: 2951
Gattanell PN: 1315
Gattini M: 2710
Gaudet R: 1316
Gauer J: 1590
Gaughan LC: 1317
Gault MH: 684
Gautier F: 3142
Gavaret JM: 902
Gavin LA: 1318
Gavras H: 2360
Gavrell GJ: 2481
Gavrilenko IS: 1822
Gavrilescu S: 1319
Gavrilova TI: 3682
Gay EC: 4068
Gay R: 2309, 3512
Gayda P: 508
Gazet JC: 737
Gazis D: 1320
Gedamu L: 1321
Gedek B: 1322, 2095
Gee TS: 2642
Geertinger P: 76
Gehan E: 54
Géhin-Fouque F: 1086
Gehrke CW: 4125
Geidel H: 1602
Geier G: 2158
Geiger B: 1323–1324
Geiger W: 2211
Geil RG: 1353
Geiter B: 1325
Gelder F: 500
Gelfand DH: 2935
Geller J: 1326
Gelles JM: 1327
Gelman A: 1328
Gemsenjäger E: 1329
Genadry R: 4299
Genard P: 3804
Genazzani AR: 2620
Genkins G: 2126
Genn TM: 1378
Genovese A: 3092
Genton C: 1330
George C: 3243
George FW: 1331
George JC: 2737
George JM: 798
George PA: 3212
George WJ: 532–533, 1332
George Y: 1567
Georges D: 3478
Georgieva M: 1333
Gerall AA: 2032, 4020
Gerasimenko PP: 1334
Gerasimova EN: 1335
Gerassimidis T: 1038
Gerats GE: 334
Gerber GB: 2502
Gerber JG: 1336
Gerber NL: 3757
Gerbrandy J: 3698
Gerbst AV: 214
Gerdes H: 3493
Gerencser GA: 1337
Gerfelmeyer G: 4207
Gergely I: 1338
Gergely R: 181
Gerisch G: 2512, 3229
Germain M: 1339
German J: 1092
Gern WA: 1340, 3000
Gerok W: 2500
Gerschenson LE: 2796
Gershman H: 2676
Gershman ST: 3519
Gershon MD: 2924
Gershon S: 2254, 3352
Gershwin ME: 3757
Gerstenblith G: 1241
Gervais P: 3266
Gessler U: 1341
Ghanadian R: 1342
Ghanekar AG: 843
Ghata J: 3266
Ghazarian JG: 1434
Ghizzi A: 1409
Ghosal KK: 3567
Ghose S: 1343
Ghosh BC: 1344
Ghosh KK: 1023
Ghosh L: 1344
Ghosh M: 1345
Ghosh S: 1023
Giacchino M: 1346
Gianutsos G: 1347
Giaquinto G: 3804
Giaretta D: 3910
Gibb LM: 1702
Gibbons MD: 1348
Gibbs T: 1077
Gibelli M: 4250
Gibson GJ: 3041
Gibson K: 2874
Gibson RM: 1525, 2763
Gibson WH: 98
Giedion A: 3499
Giedt WR Jr: 1349
Gierlichs HW: 3149
Giersch H: 1350
Gil-Ad I: 2412
Gilbert DM: 342
Gilbert GM: 376
Gilbert RM: 1155
Gilbert RW: 1351
Gilbertson TJ: 3792
Gilboe DP: 1352
Giles HR: 46
Giles MB: 1024
Giles RC: 1353
Gilioli R: 693
Gilkes JJ: 3262
Gill JR Jr: 230, 3887, 4104
Gill SK: 1496
Gill W: 1354
Gillespie PE: 1355
Gilli V: 43, 561
Gilliam JN: 680
Gillin JC: 1356, 2628
Gillis RA: 1357
Gillquist J: 2441
Gilman AG: 3338
Gimeno AL: 1358
Gimeno MF: 1358
Gimmel'reikh NG: 1359
Gindhart T: 3213
Giner J: 572, 3073
Ginsburg V: 3690
Ginzler EM: 1360
Giorgi G: 2710
Giorgueieff MF: 1634
Girard JR: 3253
Girardet JP: 2276
Giraud F: 2592
Giroud CJ: 441
Gisolfi CV: 4266
Gitter M: 3052
Giudice LC: 1361
Giurgea R: 1362
Giurintano LP: 89
Giurintano SL: 89
Giusti G: 2710
Giustina G: 3274–3275
Givens JF: 2523
Gladstien K: 2269
Gladue BA: 710
Glanz H: 1363
Glasel JA: 1364
Glaser FH: 1595
Glaser JS: 1456, 3987
Glasgow AM: 1748
Glass DB: 1376
Glass DN: 2767
Glazunov IS: 1335
Gleiser S: 1077
Gless KH: 1706
Glickson JD: 2330
Glimcher MJ: 728
Glinoer D: 890
Glitzer MS: 4077
Glowinski J: 300, 423, 1634
Glowitz RJ: 2364
Glueck CJ: 3999
Glynn MF: 3556
Gmyrek D: 1365
Gnodde HP: 1366
Goasguen J: 1738, 2310
Gobien RP: 2379
Goddard C: 1367
Godden U: 1693
Godeau F: 1368
Godefroi VC: 480
Goebel R: 1369
Goebelsmann U: 3541
Goedert M: 1370
Goertz KE: 1193
Gogate S: 3096
Gogin EE: 1371
Goicoechea B: 3280
Golbetz H: 3886
Gold EW: 1372
Gold PE: 1373
Gold PW: 1374
Gold RM: 994
Goldberg AL: 900
Goldberg BB: 1375
Goldberg MR: 410
Goldberg ND: 1376
Goldbeter A: 1377
Golde DW: 2090–2091
Goldenberg DM: 4068
Goldfarb RD: 1378
Goldhammer AR: 1379
Goldie D: 2926
Goldie DJ: 3090
Goldman A: 3866
Goldman J: 1380, 2328
Goldman RA: 1381
Goldraij A: 1358
Goldschmidt H: 1382
Goldsmith JF: 1383
Goldstein AL: 1707, 2845
Goldstein DA: 1384
Goldstein G: 3501, 3812
Goldstein M: 993
Goldstein MA: 1067
Goldstein MN: 2100
Goldstein PJ: 3417
Goldstein S: 1385–1387
Goldzieher JW: 1388, 1611
Golinskaia MS: 1389
Golofeevskiĭ VIu: 4041
Golomb HM: 500
Golovin SY: 2643
Goltzene F: 1390
Goltzman D: 1728
Gombos EA: 369
Gomes UA: 2028
Gomes WR: 4281
Gomez H: 148
Gómez L: 3313
Gómez-Capilla JA: 11–12, 565, 964
Gómez de Terreros I: 2477
Gomoluch T: 4161
Goncharov NP: 1391–1392
Goncharova VA: 1393
Gonnella F: 515
Gonyea-Stewart L: 1394
Gonzalez: 2928
González O: 814–815, 1250
González-Barón S: 2533
González-Diddi M: 572
González Iñiguez R: 2527
Gonzalez-Serratos H: 1395
Good TA: 3605
Good W: 1396, 2469
Goodall A: 1758
Goodell EM: 1397
Goodlet I: 2686
Goodman A: 18
Goodman DB: 3737
Goodman DH: 1398
Goodrum KJ: 1399
Goodship AE: 1400
Goodwin AL: 4084
Goodwin FK: 1374

Goodyer CG: 441
Goonewardena JN: 1401
Goos HJ: 1402
Goranchevа Iu: 3951
Gorbachevskaia LV: 1403
Gorbatovskaia NS: 1406
Gorbman A: 936
Gorchakova GA: 1404
Gordin A: 1405
Gordon AS: 580, 3093
Gordon GG: 3721
Gordon H: 930
Gordon IB: 1406
Gordon JH: 1415
Gordon NR: 528
Gordon YB: 293
Gorelov FI: 1407
Göretzlehner G: 3007
Göring GG: 1408
Gorini M: 1409
Gorio A: 1410
Gorman CA: 1411–1413
Gorman M: 4229
Gorman RR: 1166, 1414
Górowski T: 1969
Górski KA: 3023
Górski L: 2541
Gorski RA: 671, 1415
Gorwill RH: 3172
Göser R: 711, 3498
Gospodarowicz D: 4111
Goss SA: 1416
Gossain VV: 2040
Goţia D: 1417
Goţia S: 1417
Gotlieb A: 1538
Goto K: 2565
Gotsman MS: 2639–2640, 2640
Gott VL: 1381
Gotterer GS: 4017
Gotzen R: 1574
Goubern M: 1418
Gouda MW: 2814–2815
Goudemand J: 254
Goudemand M: 254
Gould AB: 1139
Gould RP: 274, 1419
Gould S: 3953
Gould SF: 3176
Goulmy E: 1420
Goulon M: 3243
Gourgas L: 1421
Gout C: 2287
Govyrin VA: 2336
Graban W: 429
Grabensee B: 3515
Graber DR: 3642
Grabowska-Maślanka H: 2476
Grabowski CJ: 1162
Grace M: 4239
Gracey M: 1422
Grachev II: 1423–1424
Grădinaru E: 2338
Graf B: 2667
Gráf F: 3841
Graf H: 381
Gräf KJ: 246
Graf LH Jr: 1152
Graff G: 1376
Graham JR: 194
Graham RE: 1425
Graham RF: 712
Grahame JW: 1861–1862
Grahame-Smith DG: 1587
Grahl R: 877
Grajewski S: 1426
Gramegna G: 2415
Granberg I: 4128
Granberg PO: 4211
Granberry WM: 1427
Grandi G: 473
Granier C: 3326
Granowska M: 429
Grant DB: 65, 2850
Grant K: 1428
Grant LD: 3795
Grant MM: 2187
Grass AL: 1429
Gratzlová J: 3279
Grau A: 2844
Graves CN: 848
Gray D: 3040
Gray GD: 1430–1432
Gray RG: 1433
Gray RW: 1434
Gray TK: 1202
Graziano C: 693
Greaves JP Jr: 2368
Grebenchuk LV: 1435
Gredt M: 2342
Greeley G: 2049
Green AR: 1436, 1587
Green DJ: 3638
Green F: 518
Green HL: 1608
Green JN: 633
Green L: 2399
Green PH: 1355
Green WR: 2931
Greenacre JK: 1437–1438
Greenawalt JW: 2449
Greenberg BP: 4217, 4219–4220
Greenberg LH: 1439
Greenberg MJ: 1653
Greenberg R: 1440
Greenberg SH: 1441
Greenburg AG: 2416
Greene DA: 4273
Greene HL: 3884
Greene JB: 1442
Greene WA: 1443
Greengard P: 592
Greengrass PM: 451
Greenleaf JE: 1444
Greenspan EM: 493
Greenwald GS: 1445
Greenwalt A: 1718
Greenwood DM: 4064
Greer MA: 4343
Grefrath SP: 3696
Greger R: 1446
Gregerman RI: 1981
Gregson N: 3544
Greig RA: 1447
Greitz T: 306
Gremillet C: 1339
Grenier J: 707
Gridneva VI: 3074
Griel LC: 487
Griffin JF: 996
Griffin PP: 2064
Griffith DN: 1448
Griffith WH 3d: 4251
Griffiths K: 2603–2604, 2881, 3632
Grigoleit HG: 2334
Grigoraş O: 2338
Grigorescu-Sido P: 1449
Grigor'eva VA: 2223
Grigor'ian GA: 1450
Grill HJ: 1451, 2141, 3113
Grill V: 607, 1452–1454
Grilli G: 2431
Grim CE: 2418
Grimes LJ: 1455
Grimm D: 1595
Grimm W: 2228
Grimson BS: 1456
Grislis G: 1725
Griswold WR: 1457
Grizard J: 1458
Grobe I: 2171
Grobecker H: 1459
Grodzińska L: 901
Groen-Klevant AC: 1515
Grofová I: 3302
Grogg P: 1293
Grolleau JY: 682
Groniowski J: 1084
Grönman P: 889
Grönroos M: 3209
Groom GV: 3632
Groppetti A: 942
Grosberg S: 2036
Grosnier J: 992
Grospietsch G: 1460
Gross CJ: 60
Gross F: 941, 1461–1462, 2445
Gross R: 1463
Gross SR: 1464
Grosse KP: 3531
Grosse P: 1392, 1865
Grosskelwing E: 2527
Grossman A: 374
Grossman H: 3380
Grossman S: 3582
Grossman SP: 2030
Grosso DS: 578
Grotjan HE Jr: 1465
Grove O: 1466
Gruden N: 1467
Grudzinskas JG: 293
Grün M: 3245
Grundsell H: 239
Grünwald HW: 1468
Grussendorf M: 1735
Gruszka S: 3829
Gryglewski RJ: 901, 1469–1470
Grzegorowski M: 1471
Guaita A: 599
Guarasci N: 1472
Guba AM Jr: 1473
Guccion JG: 2364
Gudkova LK: 1933
Guedri H: 419
Guellaen G: 29, 1474
Guerin D: 1738
Guerin-Surville H: 213
Gueris J: 999, 1197
Guerra P: 1475, 3089
Guerrero R: 1250
Gugelchuk GM: 3538
Guibout M: 573, 1010
Guichard C: 3985
Guidon J: 4046
Guidotti A: 1476–1477
Guiet-Bara A: 1478
Guignier F: 1479
Guihard D: 632
Guilhou JJ: 1480–1481
Guillebeau A: 368
Guillemant J: 1483
Guillemant S: 1483, 2167
Guillemin R: 362, 3342
Guillet P: 3266
Guillevin L: 1485
Guillon J: 682
Guimarães A: 3894
Guirgis HA: 2451–2452
Guitelman A: 2517
Gulati SM: 3932
Güldner FH: 1486–1487
Gülgönen A: 1488
Guliev NM: 1489–1490
Gulizia S: 86
Gullberg B: 2388
Gulyi MF: 1491
Gumbinas M: 1492
Gundlach A: 3028
Gun'ko AE: 1493
Gunnells JC: 4200
Günther E: 4385
Günther R: 1044
Gupta AN: 2018
Gupta D: 1494
Gupta DK: 3666
Gupta M: 1495
Gupta MC: 3902
Guraya SS: 1496
Gureeva ZP: 1497
Guroff G: 4364
Gurpide E: 1498
Gusareva ZV: 2117
Gusberg SB: 493
Gustafsson JA: 1276–1277, 4211
Gustavson KH: 1065, 1499
Gutfeld NW: 2978
Gutin PH: 1500
Gutjahr P: 1501
Gutman W: 2553
Guy G: 3469
Guy O: 3441
Guynn RW: 1502
Gwee HM: 1503
Gwinup G: 1504
György S: 1281

H

Haanen C: 1505

AUTHOR INDEX

Haas D: 852
Haas W: 4119
Haase E: 3054
Habal MB: 1506
Habener JF: 1507–1508
Haber E: 1069
Haber K: 46
Habib FK: 3735
Habib NS: 2968
Hackenberg R: 2676
Hackenbroch MH Jr: 1509
Hacking A: 1510
Hadd HE: 1611
Haddad F: 1419
Haddad JG Jr: 1511
Hadden DR: 140, 2487
Hadden EM: 723
Hadden JW: 723, 3812
Hadding U: 263
Haddox MK: 1376
Hadjiishy P: 1512
Hadley ME: 1513
Hadlow WJ: 1514
Haebara H: 941, 2524
Haemmerli UP: 1635
Hafs HD: 467
Haga T: 3338
Hagan AD: 725
Hage AJ: 1515
Hagelschuer H: 982, 3406
Hager J: 1679
Hagerty MM: 1869
Hagler L: 3884
Hahn J: 2768–2769
Hahn JW: 218
Hahn P: 1516, 3677
Hahn TJ: 158
Haim A: 405
Haimann MH: 2180
Haines DS: 3965
Hájek Z: 1517
Håkanson R: 3810–3811
Hakozaki M: 2584
Halaris AE: 2728
Halb A: 4250
Halbreich U: 1518
Haler C: 2338
Haley TJ: 1519
Hall A: 3475
Hall AK: 1520
Hall CA: 2006
Hall CS: 441, 3143
Hall EJ: 1521
Hall IA: 724
Hall R: 3104, 3177
Hall RL: 3291
Hall S: 795
Hall TE: 62
Hall WG: 2903
Halmi N: 1004
Halper JA: 2078
Halpers FS: 3352
Halttunen PE: 33
Halver B: 1466
Halves E: 531
Halvorsen JF: 1522
Hama S: 3407
Hamada N: 1814
Hamada T: 3407
Hamamoto Y: 1262
Hamberg M: 4122
Hambrick GW: 2931
Hamburg DA: 2458
Hamburger AW: 3415
Hamburger RN: 2621
Hametová M: 4402
Hamilton DL: 1193
Hamilton JC: 2489
Hamilton JW: 2474
Hamilton P: 2480
Hamilton RW: 1523
Hammann J: 1038
Hammarström S: 2386, 4122
Hammer B: 1524
Hammes GG: 1379, 4288
Hammill K: 310
Hammond BJ: 4301
Hammond JM: 4252
Hammond ME: 1318
Hamolsky MW: 1795
Hamon M: 423, 1634
Hampel R: 2632
Hamprecht B: 4057
Hamstra A: 276
Hanafee WN: 1569
Hanafi M: 92
Hanai N: 4342
Hanano Y: 1252, 2994
Hancock KW: 1396, 1525–1526, 2469, 3735, 3975
Handa H: 2739, 3860–3861
Handin RI: 53
Handler JS: 4408
Haneberg B: 1527
Hanemann F: 312
Hanham IW: 4268
Hankin J: 2909
Hanley DA: 3602
Hanley MJ: 1528
Hannouche N: 1529
Hanoka Y: 1530
Hanoune J: 29, 1474
Hanour F: 1531
Hansen H: 4125
Hansen HE: 1532
Hansen HH: 1533
Hansen JE: 708
Hansen JF: 1639
Hansen M: 1533
Hansen R: 3755
Hansen S: 1534–1535
Hanson DR: 3694
Hanson G: 3755
Hanson JB: 868
Hansson G: 3949
Hansson LI: 1536–1537
Hanukoglu A: 1538
Haour F: 3400
Hara I: 2230
Hara M: 1944
Hara N: 1539
Hara Y: 2700
Harada Y: 1540
Harcke HT Jr: 4255
Hård E: 820
Harden TK: 2716, 3088, 4232
Hardin JW: 700, 1074
Harding GB: 4213
Harding SM: 1541
Hardman JG: 4311
Hardoff R: 1244–1245, 1542
Hardy J: 4088
Hardy KJ: 483
Hare JW: 1543
Hargraves WA: 4189
Hargreaves G: 2010–2011
Harkins JL: 3746
Harland WA: 3826
Harlap S: 1544
Harlay A: 1545
Harms JH: 929
Harralson JD: 1546
Harri MN: 1547
Harris AI: 1548
Harris H: 288
Harris M: 1549
Harris P: 2874
Harris RD: 60
Harris RE: 2451–2452
Harris SS: 1550
Harrison FA: 1551, 2294
Harrison HC: 1552
Harrison HE: 1552
Harrison JE: 3218
Harrop JS: 1553
Hart DM: 2391
Hart DR: 2409
Hart FX: 2539
Hart IC: 1554–1555, 2959
Hartiala J: 1556
Hartikainen P: 3209
Hartmann W: 2072
Hartung M: 1557
Hartwich G: 1558
Hartzell BA: 1381
Haruyama N: 906
Harvey D: 1559
Harvey JA: 3504
Harvey JE: 1560
Harwood-Nash DC: 1163
Hasan SS: 1561–1562
Haschen RJ: 516, 1563, 1613–1614
Hasebe N: 2937
Hasegawa M: 1564, 1777
Hashiba T: 3856
Hashim SA: 3877
Hashimoto A: 4344
Hashimoto T: 2746
Hashimoto Y: 1989
Haslam RJ: 1565
Hasleton PS: 1566
Hasnain SN: 162
Hassam AG: 186
Hassan MA: 1567
Hassani M: 1568
Hasselman M: 3502
Hasso AN: 1569
Hassold TJ: 1832
Hastings CD: 951
Hasumura H: 1785
Hata Y: 4021–4022
Hatada T: 1570
Hatanaka H: 109
Hatfield WB: 1571
Hatotani N: 2910
Hatron PY: 876
Haugen HN: 299
Hauglie-Hanssen E: 3719
Haulica I: 2847
Haupt O: 187
Hauschildt S: 1572
Hausen A: 247
Hauser D: 716
Hauser H: 2172
Hauser R: 2870
Hausmanowa-Petrusewicz I: 1573
Hauss WH: 1712
Haussler MR: 2936
Hausswald HR: 2101
Haut A: 54
Hautekeete E: 908
Haux F: 1574
Haux R: 1574
Hava-Kuri I: 3575
Havelka S: 3320
Havemann O: 2101
Havemann U: 1575
Havránek F: 1576
Haw CS: 1577
Hawkes CH: 1578
Hawkins RA: 1579
Hay A: 1580
Hay DM: 1581
Hay FC: 3175
Hay MF: 2722
Hayaishi O: 1621
Hayakawa H: 2747, 2955
Hayakawa S: 2956
Hayasaka H: 41, 1032–1035
Hayashi H: 4344
Hayashi K: 1005, 1274
Hayashi M: 1792
Hayashida T: 2357
Hayduk K: 320, 1582
Hayes T: 1674
Hayhurst M: 1583
Hayles AB: 1717
Haymond MW: 1584
Hays MT: 1585
Hazama H: 1586
Hazen RJ: 2277
Head KW: 490
Heal DJ: 1587
Heald PJ: 3633
Heard E Jr: 1588
Heath A: 4347
Heath DA: 4275
Hebard DW: 3658
Heber D: 1589
Heberling HJ: 1590, 2096
Hedge GA: 3924
Hedinger C: 1657, 4234
Hedström M: 3327
Heel RC: 471–472
Heering HJ: 1591
Heeringa A: 940
Heersche JN: 1592
Heerwald PE: 2185
Heffernan JT: 1593
Hegstad R: 486
Heidemann SR: 1594

Heider KM: 1595
Heidland A: 3506
Heikkilä J: 1596
Heiligstädt H: 1597
Heilmann L: 1598
Heilmann W: 1590, 1599
Heim J: 1600
Heimke G: 2168
Heindel JJ: 1601
Heiner DC: 2585
Heinicke HJ: 1602
Heiniger HJ: 1946
Heintz R: 2929, 3149
Heinze G: 3491
Hekkelman JW: 1630
Helber A: 1603
Heldman E: 1604
Helge H: 1605
Helke CJ: 1357
Helle KB: 1606
Heller HC: 1607
Heller RM: 1608
Hellerstein LJ: 811
Hellstrom R: 774, 1009
Helmchen U: 1609
Helms J: 1610
Helton ED: 1611, 1705
Hemminki E: 1612
Hempel K: 3506
Hempel RD: 516–517, 1613–1614
Hemphill P: 1732
Hemrick SK: 1267
Hems DA: 1615
Hendarto SK: 1616
Hendershot EL: 1617
Henderson ES: 1286
Henderson IW: 698, 2010–2011
Henderson M: 4348
Henderson NE: 903–904
Hendrickson F: 2151
Hendrickson FR: 2304
Hendrickx AG: 220
Hendrix TR: 1755, 4017
Hendy GN: 712
el-Hennawy M: 1618
Hennemann G: 227, 3698
Hennen G: 717–718, 736, 2497
Hennig K: 1667
Henningsson S: 1619
Henry DP: 1833
Henry H: 570
Henry HL: 1620
Henry JP: 1621
Henry N: 1142
Hensby CN: 963
Henseling M: 1622
Henshaw EC: 1118
Hepa J: 2862
Hepner GW: 2550
Heptinstall S: 4222
Heravi M: 2443
Herbaczyńska-Cedro K: 608
Herbert DC: 1623
Herdon H: 1624
Heritage AS: 3795
Herman CA: 1625
Herman EJ: 1626
Herman RH: 3884
Herman Y: 3884
Herman ZS: 1030
Hermann JS: 1627
Hermansson J: 1628
Hermelin B: 3132
Hermesmeyer M: 4206
Hernandez GA: 1629
Hernández-Jáuregui P: 572
Hernando L: 3375
Herrera D: 572
Herrera Justiniano ZE: 163
Herreros M: 2477
Herrmann HJ: 3511
Herrmann-Erlee MP: 1630
Hersh EM: 2987
Hersh LB: 1631–1632
Hershman JM: 1633, 1652, 3077
Hertog AD: 2035
Herwig KR: 742
Hery F: 423, 1634
Herz R: 1635
Herzmann H: 1636
Herzog K: 488
Hesch RD: 1637
Heschl R: 333
Hesp R: 3263
Hess ML: 3720
Hessan H: 1139
Hesse B: 1638–1639, 2888
Hesse V: 1640, 1984
Hessel LW: 3909
Hesseling W: 4216
Hetem S: 1641
Hetta J: 1642–1644
Heuson JC: 924, 1645
Heuwinkel D: 3186
Hewitt KJ: 1058
Hewlett EL: 1646
Heyma P: 255
Heynen G: 602, 1950
Hibino S: 1663
Hickey JB: 1715
Hickey RF: 1647
Hickman R: 206
Hicks BR: 1994
Hicks JA: 397
Hicks R: 142
Hidai H: 3620
Hidaka H: 1648
Hidalgo MA: 1882
Hidiroglou M: 1649
Hierholzer E: 84, 1650
Higaki T: 1651
Higashi T: 1814
Higby DJ: 3147
Higgins HP: 1652
Higgins WJ: 1653
Higgs SA: 330
Higuchi K: 2746, 3002
Hikima T: 1775
Hilb A: 739
Hildebrand DF: 1669
Hilfer SR: 2838
Hill CJ: 1654
Hill CS Jr: 49
Hill JB: 2392
Hill JH: 3350
Hill MJ: 806
Hillestad B: 3807
Hillhouse EW: 1893
Hilmy MI: 1655
Hilz H: 3536
Hime MC: 1656
Hinderer MG: 1657
Hindersin P: 2129
Hindo W: 2459
Hingorani V: 1838
Hinton JW: 4298
Hintz MI: 1601
Hintze J: 1658
Hiraga Y: 2665
Hirai J: 3856
Hiraki K: 112
Hiramatsu M: 2681
Hiramoto S: 1264
Hirata F: 1621
Hirata Y: 1659
Hirohata T: 2909
Hirokawa M: 1660
Hirokawa N: 1661
Hiroki T: 1769
Hirooka Y: 126, 2694
Hiroshige T: 1662
Hirota R: 1818
Hirota Y: 1663
Hirsch AL: 1678
Hirsch MB: 3295
Hirsch PF: 3973
Hirsch-Marie H: 1664
Hirschmann N: 2898
Hirschmann R: 4077
Hirsh EM: 350
Hirshaut Y: 1468
Hirshman HP: 3528
Hirst RG: 1665
Hirvonen S: 568
Hisada K: 2099, 3964
Hisada Y: 2696
Hisata K: 511
Hisata T: 1666
History JE: 4242
Hitzemann R: 2840
Hiwada K: 3870, 3905
Hiwatashi A: 1767
Hliscs R: 1667
Ho BT: 1114
Ho RJ: 125
Ho SK: 1649
Ho TK: 975
Hoag G: 1668
Hoak JC: 221, 2457
Hoare MN: 854
Hocker GA: 3317
Hodgen GD: 1669
Hodges CV: 383
Hodgson BJ: 3561
Hodler J: 3276
Hodson S: 1670
Hoecker G: 3237
Hoefnagels WH: 1671
Hoepffner W: 3431
Hof H: 1672
Hofeldt FD: 3884
Hofer E: 1673
Höfer R: 2110
Hoffbrand BI: 2692
Hoffer AP: 99
Hoffman GE: 1674, 3768
Hoffman PG: 4398
Hoffmann L: 1675
Hoffmann V: 4206
Hoffmann W: 1460
Hofford JM: 1676
Hofmann C: 1677, 3759
Hofmann F: 1176
Hofsass H: 1678
Hofstädter F: 1679
Hofstetter A: 1680
Hogan WJ: 957
Høglo S: 951
Hoheisel G: 1681
Hohenthal U: 1966
Hojiro E: 1682–1683
Hojo H: 1948
Hökfelt B: 1746
Hökfelt T: 1276, 4236
Holaday JW: 1684
Holgado Silva C: 1685
Holgate RC: 1163, 3989
Holland J: 1298
Holland JF: 493, 1315
Hollander D: 1686
Holle R: 2691
Hollenbeck R: 1477
Hollenberg NK: 1687
Hollifield JW: 1688
Holló I: 404, 1338
Holly FW: 4077
Holly JM: 3456
Holmberg CA: 1689
Holmberg H: 2371
Holmes EW: 2031
Holst JJ: 1290
Holstein AF: 3329
Holt AB: 638
Höltje JV: 1690
Holtrop ME: 1691
Holý B: 1692
Holzbauer M: 1693
Holzmann S: 2194
Homo F: 1694
Hong J: 1476
Hong JS: 1356
Hong K: 684
Honma K: 1662
Honn KV: 1695
Hood WB Jr: 2360
Hooley RD: 1266
Hope J: 1860
Hopfenmüller W: 1285
Hopkins DT: 3791
Hopkirk JA: 1696
Hoppe-Seyler G: 2074
Hoppen HO: 187
Hopwood NJ: 1697
Hör G: 1698, 2002
Hörandner H: 1918
Hori S: 4364
Horii SC: 3718
Horita A: 2250
Horita N: 1699
Horiuchi M: 1700

Horiuchi N: 3844
Horký K: 1701
Horn L: 480
Horn R: 3941
Hornby-Smith A: 3227
Horne CH: 1702
Horner G: 1703
Horner KA: 1005
Horner RJ: 1704
Horning EC: 1705
Hornung J: 1706
Horowitz C: 2283
Horowitz SD: 1707
Horowitz SG: 32
Horowitz SH: 2126
Horrobin DF: 67, 1708
Horton C: 3278
Horton J: 2863
Horton LW: 737
Horton R: 1802
Horvath E: 2138
Horváth T: 1338, 3833
Hørven I: 1709
Horwitz CA: 1710
Horwitz KB: 2475
Hoshi A: 3560
Hoshina K: 1989
Hosking DJ: 335
Hoskote VR: 1936
Hosoi Y: 1798
Hosoki H: 3407
Hosono K: 2809
Hosoya T: 1803
Hossdorf T: 1711–1712
Høst H: 1713
Hostetter G: 2146
Hotta T: 3578
Houdebine LM: 1714
Houdelette P: 777
Hough AJ Jr: 1608
Houghton A: 1715
Houghton AL: 1716
Hournau A: 2293
Houston H: 806
Hovsepian S: 68
Howard CP: 1717
Howard L: 1608
Howe JG: 4347
Howell S: 4232
Howieson J: 4116
Howland JL: 1978
Howlett AC: 3338
Hrba J: 1955
Hristić M: 2882
Hrubá F: 2864
Hrubesch M: 4206
Hruska K: 1718, 2841
Hrycek A: 1719
Hsi-hsing C: 1720
Hsia JC: 3713
Hsieh BS: 1721–1722
Hsu AF: 1723
Hsu CY: 3906
Hsu SH: 1724
Hsu TH: 1724
Hsueh W: 1797
Hsueh WA: 1725
Hsueh-chia T: 1720
Huang HK: 433
Huang LC: 2277
Huang LY: 1726
Huang M: 1727
Huang SN: 1728
Huang WY: 3481
Hubbard SM: 1729
Hubbard WC: 1336
Hübener KH: 4124
Huber R: 2583
Hubl W: 1730, 2318
Huckman MS: 1731
Hudson R: 1732–1733, 3942
Hufer WE: 310
Huff K: 4364
Huff KK: 2399
Huffman SL: 1734
Hüfner M: 1735
Hughes D: 918
Hughey MJ: 1736
Hugo NE: 3825
Hugod C: 1737
Huguenin A: 1738
Hühn R: 1739
Hühn U: 1739
Huhtaniemi I: 1740
Huke B: 1741
Hukins DW: 1742
Hulek M: 1743
Hull D: 1057
Hull MG: 1744
Hülsmann WC: 1745, 3740
Hulthén UL: 1746
Humbert JR: 2913
Humla S: 4211
Humm J: 2049
Hummerich W: 1603
Hümpel M: 1747
Hung W: 1748
Hungerford DS: 3635
Hunninghake GW: 1749
Hunsaker LA: 2969
Hunt B: 1750
Hunt CE: 1550
Hunt DC: 1751
Hunt NH: 788, 1752, 2555
Hunter JO: 1913–1914
Hunter NR: 2617
Hunter SA: 525
Hunziker WH: 368, 1753
Hurvell B: 385
Hurwitz DR: 3731
Hüsken R: 1754
Huskison WT: 805
Hutcheon DF: 1755
Hutchins GM: 1756
Hüttner B: 1322, 2095
Hutton J: 1757
Hutton JD: 1758
Hutton M: 4225
Huxtable RJ: 1759
Hwang AS: 1775
Hyatt PJ: 274, 4139
Hymer WC: 151
Hyniová H: 3702
Hyodo K: 1260
Hyyppä MT: 1760

I

Iakobson GS: 1761
Iakovlev NN: 244
Iakovleva IA: 4007
Iakovleva IV: 1762
Iakutina MF: 2868
Iatrou K: 1321
Iavorskiĭ AN: 2403
Ibanez M: 49
Ibayashi H: 1763
Ibragimov II: 1060
Ichida F: 1764
Ichihara K: 1765
Ichikawa M: 1767
Ichikawa R: 1766
Ichikawa Y: 112, 1767
Ichiuanagi K: 2099
Ichiya Y: 1768
Ideishi M: 1769
Ideo G: 861
Idler DR: 2878, 3995
Ievoli RJ: 3221
Iffland E: 4260
Igea J: 2560
Iglesias J: 1770
Ignarro LJ: 1771
Iguchi M: 1772, 4317
Iijima I: 1773
Iijima S: 3816
Iio T: 1774
Ike A: 2221–2222
Ikeda K: 1775–1776
Ikeda M: 3451
Ikeda S: 1776
Ikeda Y: 1777, 2900
Ikejiri K: 1778
Ikejiri N: 1779
Ikekawa N: 1020
Ikekudo K: 1256
Ikemoto S: 1780–1781
Ildefonse M: 543
Il'duganova NA: 2643
Ilebekk A: 1104
I'l'icheva RF: 401
Ilieva T: 1782
Il'ina NA: 2019
Illum P: 1783
Ilona L: 1281
Ilyés I: 3095
Imai T: 1784, 3411
Imai Y: 126, 2694
Imamura K: 1785
Imamura N: 1786
Imbert-Teboul M: 610
Imlah P: 490
Imler M: 3502
Imshinetskaia LP: 1819
Imura H: 1787–1788, 2824
Incaudo GI: 2621
Ince BW: 1789
Indenbom ML: 270
Indiveri F: 1790
Indolfi P: 1081
Ingebretsen WR: 2602
Ingleton P: 2555
Inglish D: 3906
Inoue K: 1791–1792, 3845
Inoué S: 1682–1683, 4134
Inouye A: 3553
Insel PA: 1793
Insler V: 2625
Invernizzi R: 693
Ip C: 1794
Ip M: 2036
Irokawa N: 650
Irvine RF: 867
Irwin RS: 1795
Isaeva VA: 1796
Isakson PC: 1797
Ishibashi K: 3562
Ishida A: 1930
Ishida H: 1798
Ishida M: 3862
Ishida S: 1799
Ishida Y: 1800, 3613
Ishigami J: 1801
Ishigami S: 1767
Ishii S: 13
Ishii T: 1699
Ishikawa H: 1623
Ishikawa M: 2739
Ishikawa S: 1948
Ishikawa T: 2699
Ishimaru T: 1802
Ishimoto F: 1803
Ishimoto S: 1989
Ishitobi K: 1540
Ishizuka I: 1804
Isidori A: 1805
Iskhakova FG: 1806
Isom HC: 1807
Isomaa V: 1847
Isotalo H: 1847
Israel Y: 2986
Isshiki G: 1808
Isurugi K: 1798
Itakura M: 1255, 1809–1811
Itatani H: 4317
Itaya K: 1812
Ithakissios DS: 2185
Ito I: 1813
Ito K: 1814–1815
Ito M: 1586
Ito T: 1816, 4027
Ito Y: 1817
Itoh S: 1818
Iunda NF: 1819
Iurkov IuA: 1820
Iusipova NA: 1821
Ivan M: 1649
Ivančo I: 3109
Ivanov II: 1822
Ivanov KP: 131
Ivanov NA: 1823
Ivanova L: 521
Ivanova LA: 1824
Ivanova NP: 3631
Ivanova-Chemishanska L: 1825
Iversen SD: 2120
Ivey KJ: 232
Iwama S: 2954
Iwamatsu T: 1826

Iwamoto T: 1660
Iwanaga T: 2143
Iwasaki I: 112
Iwasaki T: 1827
Iwata S: 3859
Iyengar V: 4049
Izmirova N: 1825
Izzi T: 2431
Izzo JL Jr: 4104

J

Jack W: 2488
Jackson CE: 359
Jackson DA: 1828
Jackson L: 637
Jackson M: 3741
Jacobi GH: 1829
Jacobi JD: 1830
Jacobowitz DM: 796, 798–799
Jacobs BL: 1831
Jacobs HS: 1215, 1716, 1758
Jacobs LS: 2628
Jacobs PA: 1832
Jacobs TP: 1833
Jacobson AE: 1773
Jacobson ED: 3484–3485
Jacobsson L: 1065
Jacoby JH: 1834
Jacques PJ: 899
Jaeschke M: 1835, 2193
Jafee RC: 3835
Jaffe RA: 1222
Jaffiol C: 182, 1836–1837
Jagannatha KT: 1838
Jahangir RP: 4051
Jahrsdoerfer RA: 1839
Jain AK: 1838, 1877
Jain JK: 1840
Jakesz R: 4011
Jakobiec A: 2078
Jakobs KH: 1841
Jakubowska-Naziembło B: 1842
Jallet G: 259
Jaluvka V: 1843, 4393
James R: 2858
James VH: 1758
Jampol LM: 1844
Janik JS: 1845
Jänne J: 1846
Jänne O: 1847
Janni' A: 581
János K: 3934
Jansen EH: 884
Jansen RP: 1848
Jansky L: 1849
Janson PO: 825
Janszen FH: 1850
Januszewicź W: 4287
Januszewski J: 2144
Januszewski M: 468
Jaquet P: 573
Jarabak J: 2380
Jaramillo CJ: 1851
Jaramillo J: 1852
Jarett L: 2470, 2857
Jaroonvesma N: 2308
Jaroszewski J: 1853
Jarrett HW: 1854
Jaspar HH: 3566
Jausseran JM: 1855
Jautzke G: 3235
Javadpour N: 1856
Jawahir G: 1237
Jeekel J: 1857
Jeevanram RK: 1858
Jeffcoate SL: 3782
Jeffcoate WJ: 1859–1860, 3262
Jeffery JR: 1861–1862
Jeffs RD: 3233
Jegou B: 1863–1864
Jegou S: 4076
Jehangir RP: 4050
Jelínek J: 1962
Jellinek M: 218
Jemilev ZA: 1865
Jenkins DJ: 806, 1866
Jenkins JS: 1213
Jenks BG: 1867
Jenner PG: 1892
Jennings B: 3965
Jennings BH: 1868
Jensen AD: 953
Jensen RG: 1869
Jenzer G: 1870
Jeppsson S: 1883
Jerve F: 1871
Jerzmanowska M: 1872
Jeske W: 1969, 3201
Jessell T: 1062
Jessen C: 2636
Jessen CR: 1828
Jeuniewic N: 1873
Jevning R: 1874–1875
Jewelewicz R: 1876
Jha P: 1877
Jibson M: 1878
Jick H: 1879
Jimbo M: 2047
Jimenez RB: 3712
Jiménez-Cruz JF: 1880
Jiménez-Vargas J: 2533
Jing BS: 1897
Jirásek JE: 1881, 3800
Jirkalová V: 968–969, 2097
Jivraj T: 806
Job JC: 1308
Jöchle W: 1882
Jodin C: 2263
Joergensen ST: 1221
Joh TH: 3135
Johannsen A: 1532
Johansen JG: 317
Johansson E: 1883
Johansson ED: 2280
Johansson G: 166
Johns ME: 1884
Johnsen SG: 1902
Johnson AK: 505
Johnson DE: 294, 430, 1897
Johnson DG: 1833
Johnson DW: 3716
Johnson ES: 1885
Johnson GL: 3088
Johnson IE: 2706
Johnson JD: 1886
Johnson JH: 1887
Johnson LK: 1246
Johnson MF: 2180
Johnson RA: 3642
Johnson RB: 1888
Johnson RO: 2303
Johnson SC: 3938
Johnston AS: 3391
Johnston CC Jr: 276
Johnston CI: 4297
Johnston DG: 219
Johnston RB Jr: 2319
Johnston W: 1457
Johnstone J: 618
Jones AH: 1909
Jones BE: 2728
Jones DC: 1669
Jones EA: 1271
Jones EL: 1889
Jones GS: 4202
Jones K: 1890
Jones KL: 1891
Jones KW: 2038
Jones MK: 1892
Jones MT: 1893
Jones NF: 945
Jones P: 2550
Jones PH: 3585
Jones PK: 536
Jones RE: 1894
Jones SJ: 1895
Jones SR: 2485
Jones TH: 1896
Jonsson G: 625
Jonsson K: 1897
Joplin GF: 3202
Jordan RM: 1898
Jordan VC: 1899
Jordan WR: 1900
Jorge AD: 1901
Jørgensen F: 191
Jørgensen FS: 1902
Jørgensen HE: 191
Jørgensen M: 1903
Jose JS: 395
Josefsberg Z: 302
Joshi KR: 1904
Joshi L: 4048
Joshi LR: 3121
Joshi U: 4048
Joshi UM: 1905
Joshi VV: 2204
Joshua H: 2055
Jost JP: 3026
Jotkowitz S: 1906
Jouan P: 1529
Jouet JP: 254
Jouhaneau-Bowers M: 1907
Jourdian GW: 946, 3438
Jovičić A: 1908
Joyce B: 3632
Joyce T: 3999
Juchau MR: 1909
Judd H: 389
Judge D: 2808
Judge SM: 1910
Judge SR: 2294
Juillard E: 1911
Julien R: 106
Julius S: 1080
Julliard J: 2657
Jullienne A: 1912
Jumawan J: 2283
Jung B: 166
Jung RT: 1913–1914
Jungblut PW: 3639
Jungi WF: 1915
Juráni M: 1916
Juraniec J: 1917
Jurecka W: 1918
Jurow HN: 251
Juster M: 2315
Justice JB Jr: 1919
Justinger G: 3640
Jutisz M: 872–873
Jüttnerová V: 4403

K

Kabakow B: 493
Kaban AP: 3588
Kaczmarcyk G: 2190
Kaczor Z: 114
Kadesky M: 3011
Kadlec O: 1920
Kadowaki T: 1772
Kadyrova DA: 1921
Kaffarnik H: 3513
Kågedal B: 2280, 2441
Kageyama N: 1922–1923, 2085, 2230
Kah O: 1924
Kahlau DI: 1322, 2095
Kahler S: 2621
Kahn A Jr: 1925
Kahn MF: 4100
Kahn T: 1926
Kahri AI: 1740
Kaiho M: 2825
Kaiser H: 1927
Kaiser PE: 3547
Kaiser-Kupfer MI: 1928
Kaji DM: 1926
Kajita A: 2143
Kajiyama G: 3528
Kakudo K: 1929
Kakudo Y: 1930
Kalant H: 2986
Kaldany A: 676
Kalderon AE: 1931
Káldor A: 1282
Kalimi M: 1932
Kalina RE: 1593
Kalis CH: 888
Kalish MI: 1981
Kalishevskaia TM: 1933
Kalistratov G: 2260
Kalk KH: 990
Kalkwarf DR: 528
Kalland T: 1934
Kallio H: 1935
Kalra PS: 571
Kaltreider DF: 2688

AUTHOR INDEX

Kamardina TA: 1424
Kamat SR: 1936
Kamata K: 1937
Kambegawa A: 2945
Kamboj VP: 1938, 2613
Kamel F: 1939
Kamelhar DL: 1940
Kameya T: 3962
Kamidono S: 1801, 3875
Kamijo K: 1941
Kaminski M: 1942
Kamisaki K: 1988
Kamisaki T: 1987
Kamo N: 2216
Kampmann JP: 1902
Kampo MA: 1943
Kan M: 1944
Kanasako F: 1265
Kanazawa H: 1945
Kanda K: 1792
Kandror MI: 96
Kandutsch AA: 1946
Kandziora J: 1947
Kane KM: 3995
Kanehisa T: 1987–1988
Kaneko C: 1683
Kaneko H: 1948
Kaneko S: 1772
Kaneko Y: 1949, 3620
Kanhere S: 3542
Kanie N: 2230
Kaniewski M: 1969
Kanis JA: 1950
Kanno H: 2997
Kanta J: 1951
Kantak KM: 1952
Kanungo MS: 3051, 3911
Kanwar U: 1953
Kao JC: 633
Kapadia SB: 1954
Kapitola J: 1955
Kaplan EN: 3065
Kaplan ER: 206
Kaplan GW: 3527
Kaplan M: 4029
Kaplan MM: 1956
Kaplan NM: 1957
Kaplan R: 662
Kaplan RA: 2481
Kaplan S: 1298
Kaplan SA: 3857
Kapoor CP: 1958
Kapp S: 3186
Kapras J: 1517
Kapur K: 1959
Kapur SP: 3386
Kar AB: 1938
Kar K: 3212
Karácsony G: 955
Karandikar KN: 1936
Karasek E: 1960
Karasek M: 1960
Karchmer S: 620, 2339
Karduck A: 1961
Karen P: 1962
Karev ID: 1963
Karim A: 1964
Karl IE: 1584
Karlberg B: 2441
Karlberg BE: 3931, 3958
Karlsson L: 4
Karma P: 1965
Karmali RA: 67
Karmall RA: 1708
Karmazyn M: 67, 1708
Karmysheva VIa: 3457
Karnovsky MJ: 321
Károly K: 3934
Karonen SL: 1966
Karpowicz M: 2115
Karsten U: 1967
Kasagi K: 1063, 1256, 2112–2113, 3850, 3855
Kasahara A: 4006
Kasahara H: 3859
Kasai Y: 4021–4022
Kashchenko LA: 2102
Kaslow RA: 2569
Kasperlik-Załuska A: 1968–1969
Kass MA: 3617
Kassab MT: 1203
Kassenaar AA: 4066
Kassis B: 1597
Kasubuchi Y: 2743
Kasuya Y: 1937, 1970
Katariya RN: 3242
Katayama S: 1971
Kates R: 3589
Kateshiner EB: 1972
Kather H: 1973–1974, 3656
Katirai A: 2506
Katiyar GP: 325
Kato E: 3405
Kato H: 1776
Kato J: 1975
Kato K: 1976
Kato T: 2375, 3558
Kato Y: 1977, 3962
Katsufuji N: 1666
Katsuki H: 109
Katsuki S: 2795
Katyare SS: 1978
Katz AI: 2387
Katz F: 2381
Katz FH: 1979
Katz J: 2348
Katz JM: 1132
Katz M: 1980, 2750, 3599
Katz MS: 1981
Katz S: 1982–1983
Kauf E: 1984
Kauffman RF: 3119
Kaufman JA: 725
Kaufman JJ: 2543
Kaufman M: 3143
Kaufmann H: 2055
Kaukel E: 1985
Kaulen DR: 1986
Kauppila A: 2048, 4349
Kawa A: 1987–1988
Kawachi T: 3560
Kawachi Y: 4332–4333
Kawahara N: 4359
Kawai K: 2747, 3615
Kawakami H: 3962
Kawakami M: 1799
Kawakami R: 2037
Kawakita Y: 4324
Kawamoto M: 2746
Kawamura H: 3869
Kawasaki T: 3447
Kawashima H: 1989
Kazakov SL: 2516
Kazakov VM: 1990
Kazarian AG: 1991
Kazarian GM: 1991
Kazeí NS: 1806
Kazimierczak W: 1992
Keane P: 3206
Keating JP: 1584
Kébé MB: 2081
Kecskés J: 3095
Keenan E: 383
Keepers GA: 630
Keil LC: 627
Keim HJ: 1993
Keirse MJ: 1994–1995
Keiser HR: 4104, 4408
Keiser JA: 2605
Keisevich LV: 3588
Keith LD: 1996
Keitzer WF: 2418
Kelch RP: 400, 4401
Kelehan P: 1566
Kelkar MR: 2816
Kellar KJ: 1357
Kelleher RJ Jr: 3116
Keller E: 711, 3498
Keller HP: 3238
Keller P: 4309
Keller PJ: 1177, 1997–1998, 2209
Kelly A: 2790
Kelly K: 2392
Kelly LA: 204
Kelly MJ: 1999
Kelly MP: 720
Kelly R: 3101
Kelly RW: 2454
Kelly WG: 885, 2000
Kemileva Z: 1782
Kemp E: 383
Kemp GE: 435
Kempen HJ: 2001
Kemper B: 1508
Kempf E: 2519
Kempken K: 2002
Kempson S: 2003
Kenéz J: 1482, 2004, 3479, 4319
Kenig-Wakshal R: 3252
Kennedy AC: 779
Kennedy JS: 452
Kennedy LA: 2005
Kennedy MS: 1793
Kennedy RS: 526
Kenner CT: 1425
Kenney A: 2006
Kenney DM: 2007
Kenney FT: 2883
Kenny AD: 179
Kent AP: 330
Kent B: 2008
Kent DL: 2009
Kenyon CJ: 2010–2011
Kerber C: 793
Kerber CW: 1898
Kerckaert JP: 153
Kerdelhue B: 1050
Kerman RH: 958
Kermarec J: 2310
Kern EB: 2012
Kerr JW: 3826
Kerr RO: 3343
Kerwin R: 780
Kesava Rao KV: 2013
Keshgegian AA: 2014
Kesler DJ: 2015
Kesner JS: 3004
Kessel E: 3727
Ketelslegers JM: 736, 2497
Khabibov B: 2155
Khairi MR: 276
Khalatian NA: 3370
Khalil R: 414
Khalil SA: 2814–2815
Khamidov DKh: 2801
Khan MA: 4162
Khanam W: 2016
Khanin AA: 135
Khanna JM: 2986
Khanna SK: 3661
Khannanova FK: 2017
Khanson KP: 4123
Khapilova VI: 3988
Khar A: 872–873
Khatri R: 2018
Khilanani PV: 1840
Khodorov BI: 3156
Khodorova NA: 3359
Khokhlov AP: 2019
Khromov-Borisov NV: 270
Khubchandani IT: 2591
Kiatoko M: 2020
Kido A: 1260
Kiefer JH: 4190
Kieffer J: 3920
Kiehart DP: 3943
Kielar RA: 2021–2022
Kienitz T: 2023
Kierska D: 2132
Kigawa T: 2024
Kiger JA Jr: 863
Kihara I: 2025
Kik A: 2026
Kikuchi M: 1777, 3408
Killus CM: 3785
Kim I: 3391
Kim JH: 1351
Kim KE: 1139
Kim MH: 4289
Kim TD: 269
Kim W: 2027
Kim YH: 1123
Kim YN: 2542
Kimachi T: 2028
Kimpel G: 1610
Kimura H: 2795
Kimura M: 4359
Kimura N: 2029
Kincses L: 3446
King BM: 2030
King D: 260

King GJ: 554, 1691
King GL: 2031
King JC: 2032–2033
King JO: 2034
King RA: 1227
Kingma JH: 2035
Kinne R: 1098
Kinney MJ: 2036
Kinoshita F: 2037
Kinoshita K: 4317
Kinoshita N: 3836
Kinoshita Y: 3620
Kinra G: 1838
Kinross J: 2038
Kinsella JE: 542
Kinsman RA: 945
Kinutani M: 2039
Kinzel T: 2040
Kirby L: 1516
Kirby NA: 3635
Kirby PJ: 598
Kirchertz EJ: 1609
Kirchner JA: 3946
Kirchner M: 3431
Kirchner SG: 1608
Kirdani RY: 2041, 4331
Kir'iakov VA: 2865
Kiriike N: 4324
Kirillov OI: 686
Kirk D: 1058
Kirk DN: 3576
Kirpekar SM: 2042
Kirschner MW: 1594
Kisch AL: 2043
Kisel'nikova TA: 250
Kishino B: 2044
Kishitani M: 3856
Kishko AM: 2045
Kist M: 3608
Kistler H: 2046
Kitamura H: 1929
Kitamura K: 2047
Kitamura M: 3963
Kitano S: 2673
Kitatsuji E: 2186
Kitayama I: 2910
Kitzmiller JL: 1543
Kivinen S: 2048
Kivovics P: 3015
Kizer JS: 2049, 2860
Kjeld JM: 3202
Kjellberg RN: 2400, 2717
Kjessler B: 1499
Klaassen CD: 2050
Klagge E: 2129
Klahr S: 1718
Klassen LW: 3250, 3757, 4253
Klaua M: 2051
Klauber A: 2052
Klaus D: 2053, 4382
Klebanov GI: 2054
Kleczkowska A: 3742
Klegerman ME: 958
Klehr U: 4044
Kleimann R: 1711
Klein A: 2055
Klein G: 318
Klein HJ: 2599
Klein KL: 2575
Klein W: 1044
Kleinau E: 875, 2056
Kleinberg DL: 1216, 2057
Kleinbok Z: 2058
Kleineikenscheidt H: 2168
Kleinkauf H: 246
Kleinrok Z: 2059
Kleinsasser O: 1363
Kleinteich B: 2060
Klemm W: 1494
Klener P: 971
Klett M: 2061
Kley HK: 2062–2063
Kliman B: 2064, 2400, 2717
Klimek R: 2065
Kliment V: 2066
Klimpel GR: 539
Klinger G: 2067–2068
Klingler D: 2069
Kliueva NN: 2070
Kloppenborg PW: 1671
Klos IuS: 2246
Klosterhalfen H: 2171
Klotz M: 2071
Kluge H: 2072
Klugo RC: 2073
Knapp HR: 2934
Knauf H: 2074
Knecht GL: 882
Knedel M: 3186
Kneisley LW: 2075
Kneissler U: 1609
Kniffki KD: 2076
Knigge KM: 3138
Knight BL: 3677
Knight WA Jr: 71
Knobel M: 2611
Knospe WH: 2077
Knowles CO: 287
Knowles DM 2d: 2078
Knox FG: 2296
Knox GE: 2079
Knudsen J: 2080
Knudsen R: 2253
Knuppen R: 187
Koaté P: 2081
Kobashi H: 112
Kobatake Y: 2216
Kobayashi H: 4036
Kobayashi I: 1263
Kobayashi K: 1033–1034, 2082
Kobayashi M: 649
Kobayashi N: 2083–2084
Kobayashi R: 4289
Kobayashi S: 1253, 2222
Kobayashi T: 2085, 2950
Kobe: 1778
Kobilková J: 2086
Kobita JA: 956
Koch B: 460, 2087
Koch KS: 2312
Kochar MS: 3232
Kocián J: 2088
Kockum C: 361
Koćmierska-Grodzka D: 2089
Kocsis F: 1044
Koeffler HP: 2090–2091
Koelz HR: 1635
Koethe S: 3755
Kofoed JA: 2092
Koga S: 3859
Kogan IA: 214
Kogut ES: 2093
Kohl DM: 4285
Köhler C: 2094
Köhler H: 1322, 2095–2096
Kohler PO: 3364
Kohlhoff U: 1698
Kohli JD: 2880
Kohner EM: 219
Kohno H: 4332
Kohns U: 85
Kohoutek F: 2097
Kohoutek M: 2097
Kohri K: 1772
Kohút A: 2872
Koide Y: 2098, 3758
Koizumi K: 2099
Kojima H: 4006
Kojima T: 1791
Koketsu K: 3621
Kokko E: 1847
Kokko JP: 1528
Kokot F: 1030
Kokovic C: 978
Kokubu T: 3870, 3905
Kolb FE: 3518
Kolber AR: 2100
Koldovsky O: 2283
Köle W: 1369
Kolenbrander PE: 1523
Kølendorf K: 1903
Kolesnik AG: 3198
Kolloch RE: 3794
Kolmorgen K: 2101
Kolonel L: 2909
Kolosov IA: 1125
Komachkova ZK: 1762
Komarov EI: 2102
Komarov H: 2625
Komarova TI: 1490
Komatsuzaki A: 2103
Komatz Y: 2104
Kominami S: 2105
Komisaruk BR: 3315
Komissarova NA: 3198
Kommerell B: 3656
Komor A: 1391–1392, 1865
Komori T: 2701
Komorowski JM: 2106, 4392
Komp D: 3994
Komp DM: 291
Konagawa A: 651
Kondo H: 1774, 1792
Kondo K: 3405, 3444, 3904
Kondo T: 651
Kondra PM: 2107
Kondrat'ev VE: 2232
Konetzki W: 2108
Konetzki WS: 2109
Kong YC: 1082
König I: 303, 1739
König MP: 2110
König W: 2111
Konings WN: 2659
Konishi J: 1256, 2112–2113
Kono T: 2114
Kononuchenko VP: 2226
Konopka L: 2115
Konrad RM: 312
Konstantinov N: 2116
Konstantinova MM: 2117
Konturek SJ: 2118
Konyshev VA: 2119
Koob GF: 2120
Kooh SW: 1217
Kook C: 1964
Kopf AW: 4126
Kopf GS: 1299
Kopin IJ: 4183
Koplik EV: 2121
Kopp H: 2122
Kopp HG: 2366
Kopple JD: 1633
Kopfiva P: 960
Kopsa H: 2123
Korbut R: 1469–1470, 2719–2720
Kore S: 4049
Koreeda F: 1988
Korenman SG: 2149
Koreve V: 928
Körfer R: 2062
Koriyama K: 112
Korn D: 1328
Korn K: 1061
Kornberg HL: 2124
Kornblith PD: 2400
Kornél B: 1281
Kornerup HJ: 2125
Kornfeld P: 2126
Korobtsova MA: 2127
Koroliuk IP: 3311
Korsten CB: 1233
Korting GW: 2128
Körting HJ: 2129
Korzh AA: 2130
Kosaka T: 1256
Koshiba Y: 1792
Koshy KT: 70
Koss LG: 2626
Kossiva D: 728
Köster G: 458
Kostic S: 181
Kostiuk PG: 980
Kostrzewski K: 2131
Koszalka TR: 859
Koszuk E: 2132
Kotake CK: 2880
Kotchen TA: 2133–2134
Kotliarskaia EI: 2663
Kotte W: 2318, 3431
Kottmeier PK: 2135
Kourides IA: 4377
Kourounakis P: 2136
Kouznetzova B: 2137
Kovacs K: 2138, 3757, 3989
Koval' VG: 2139
Kovalenko TM: 1990
Kovaleva VL: 2140
Kow LM: 2141
Kowalczuk J: 3028

Koya G: 2142
Koyama H: 2143
Kozielec T: 2144
Koziell DA: 1109
Kozielski J: 3565
Koziner B: 2642
Koziorowski A: 962
Kozliaeva GA: 3709
Kozlov VA: 2145
Kozlova ED: 501
Kozlova SI: 2017
Kozlowski GP: 2146
Kozlowski K: 2147
Kraeling RR: 3203
Kraemer DC: 1388
Kraemer HC: 2458
Kraft M: 1595
Krahn EA: 4180
Kraicer J: 2148
Krakauer RS: 3757
Krakoff IH: 3756
Krakoff LR: 1926
Krall JF: 2149
Králová M: 3059
Kramarosky C: 2150
Kramer RA: 4229
Kramer S: 2151–2152, 2152
Kramer SS: 1608
Krantzler B: 2153
Krapf T: 221
Krasil'nikov VG: 2154
Krass PM: 2155
Kraszewski A: 2391
Krasznai I: 1338
Kratz RC: 2156
Kratzer W: 2157
Kraus H: 2158
Krause JR: 1954
Krauss RM: 431
Krauze M: 2159
Kravchenko VI: 2160
Kravets LG: 1359
Kravetskaia TP: 2183
Kravtsov IuI: 2867
Krawczyk S: 2240
Krawczyński M: 2161–2165, 2163
Krebs J: 2164
Krediet RT: 2165
Kreel L: 2615
Kreiglstein GK: 2166
Kreisler G: 656
Krejovic B: 978
Kremer D: 1147
Kremer R: 2167
Krempien B: 2168
Křenová I: 4402
Kretowicz J: 1084
Kreye VA: 2169
Kricheff II: 2170
Krieg M: 2171, 4113
Krieg RJ: 3460
Krieger DT: 2172, 2396
Krieger MS: 2173
Krikorian JG: 2174
Krisch B: 2175
Krishna G: 2177
Krishnamra N: 2176
Krishnan N: 2177
Krishnaswamy K: 2178
Kristensen BO: 2179
Kristoffersen K: 499
Krivitzky A: 2446
Krivova NA: 3074
Krobisch-Dudley G: 3540
Kromas R: 2433
Kronenberg H: 1507
Kronenberg HM: 1508
Krstić R: 502
Krück F: 3794
Kruger SR: 3708
Krugman LG: 1633
Krulik M: 95
Krupa-Wojciechowska B: 2335
Krupin T: 2180
Krupina TV: 2181–2182
Krupka W: 812
Krüskemper HL: 2062, 3514
Krutiakov VM: 2183
Książek A: 2184
Kuan HT: 3907
Kubiatowicz DO: 2185
Kubo K: 2186
Kubo WM: 2187
Kubo Y: 2826
Kubota A: 3964
Kučera J: 1517
Kuchár S: 2771
Kucharczyk J: 1167–1168
Kuchinskiĭ GA: 3003
Kudelová J: 87
Kudinov SA: 2188
Kudlicka A: 2707
Kudo E: 1262
Kudo T: 3874
Kugimiya H: 2189
Kuhar MJ: 4028
Kuhl U: 2190
Kuhn DM: 2191
Kuhn E: 469
Kuhn EM: 2192
Kuhn H: 1835, 2193
Kuhn W: 1460
Kuipers G: 2503–2504, 2504
Kukovetz WR: 2194
Kulczycki J: 2453
Kuleva V: 512
Kulikov MA: 1450
Kulikova LF: 2195
Kulin HE: 4029
Kulinskiĭ VI: 2196–2198
Kullander S: 1233
Kul'man LV: 2130
Kumagai I: 2199
Kumagi R: 2200
Kumahara Y: 2201, 2947
Kumamoto Y: 2202–2203
Kumar EV: 2204
Kumar J: 3662
Kumar L: 2204
Kumar M: 1343
Kumar P: 2205
Kumar R: 2206
Kumari GL: 840–841, 2207
Kumata R: 3451
Kumegawa M: 2825
Kundu B: 1023, 1343
Kundu N: 3102
Kunert-Radek J: 3062
Kung-hsien W: 1720
Kung'u A: 4396
Kunitada S: 2208
Kuntsevich MV: 283
Küntzel W: 2749
Kunugi S: 2221
Kunz J: 2209
Kunze H: 2210
Künzig HJ: 2211
Kunzle JE: 4395
Kuo JF: 2212, 3624
Kuo KC: 4125
Kuo WN: 2212
Kuo-hsien H: 1720
Kupperman HS: 2213
Küppers H: 3515
Kurachi K: 101, 2214, 3904
Kurata M: 4342
Kurata S: 2832
Kurata T: 1577
Kurguzova VF: 2215
Kurihara K: 2216
Kurihara S: 2217
Kurita T: 1772, 4317
Kuriyama K: 2218
Kurl RN: 2219
Kurljandski W: 2220
Kuroiwa S: 2746
Kuroki Y: 3408
Kuromaru S: 4325
Kurosaki TT: 3118
Kurosawa M: 2221–2222
Kurskiĭ MD: 1359, 2223
Kuruvilla J: 2224
Kuś WM: 2225
Kuschinsky K: 1575
Kushch NL: 2226
Kushi Y: 3619
Kusiak JW: 2227, 3084
Kusuda M: 2813
Kusunoki T: 2743
Kutzner J: 2228
Kuusisto A: 3081
Kuwata T: 1275
Kuwayama A: 1923, 2229–2230
Kuz'mak NI: 2231
Kuznetsov VI: 2232
Kvicala R: 601
Kwaan HC: 2233
Kwak R: 2995
Kwapien RP: 1353
Kynaston B: 3317

L

La Franco M: 567
La Torre P: 3027
La Vecchia G: 1179
LaBarbera AR: 2234
Labat ML: 2667
Labbok M: 3727
Labhart A: 2235
Laborit H: 2236–2237
Laboś I: 2238
Labrie F: 2245, 2326, 3251, 3481
Laburthe M: 1017, 2239
Lacassagne L: 4269
Lach H: 2240
Lacko AG: 2241
LaCorbiere M: 3525
Lacourt G: 3056
Ladányi J: 2242
Ladds PW: 3454
Ladefoged J: 2496, 2960
Ladinsky H: 3422
Ladizesky M: 2243
Ladosky W: 458
LaFerla JJ: 2244
Lafforet D: 1019
Laflamme P: 3987
Lagacé L: 2245
Lagarde M: 3817
Lagenstein I: 4260
Lagodiuk IZ: 2246
Lagova ND: 2247
Laha RK: 1009
Lahav M: 2248
Lähteenmäki P: 1966, 2249, 2371
Lai H: 2250
Laird WJ: 1152
Laja AO: 3723
Lakatta EG: 1241
Laker MF: 737
Lakhiri P: 878
Lakhiri T: 878
Lakin ML: 1349
Lalitha N: 2251
Lalley P: 2779
Lam A: 2252
Lam YK: 2253
Lamb JF: 1174–1175
Lamb JT: 1525
Lamberg BA: 1405
Lambert GA: 1234, 2254
Lamberts G: 2929
Lamberts SW: 2255
Lambiet-Collier M: 2502
Lambotte R: 2256
Lameijer LD: 1857
Lamers CB: 2257–2258
Lamm DL: 3584
Lamm ME: 4194
Lamošová D: 1916
Lampé L: 190
Lamperrin JM: 1738
Lampertico P: 2259
Lamy F: 1013
Landau Z: 3707
Landgren S: 2260
Landman J: 935
Landolt AM: 2261
Landon E: 4311
Landon J: 2926, 3645
Landowski Z: 2262
Landry Y: 2263
Landsberg L: 558, 2264
Landtman B: 4145
Lane B: 2265
Lane JD: 2266
Lang F: 1446
Lang H: 3186

Lang PG Jr: 2267
Lang WJ: 2254
Lange A: 2268
Lange CF: 958
Lange G: 1614
Lange K: 2269
Lange V: 2270
Lange W: 3526
Langer SZ: 3079
Langer-Costanzi M: 2493
Langfitt TW: 2551
Langhammer H: 1698
Langlands AO: 2461
Langlois Y: 1050
Langslow DR: 2972
Langston JW: 2271
Långvik VA: 1760
Lansbergen Q: 1420
Lanser K: 1985
Lantos CP: 1220
Lantto O: 346
Lantz E: 2272
Lanyon LE: 1400
Lanzara P: 581
Lao B: 2273
Lapetina EG: 2274
Laragh JH: 590, 1993, 2275
Larbi EB: 22
Lardoux H: 2276
Lardy HA: 3119
Larkins RG: 255, 4159
Larner J: 2277
Laron Z: 935
LaRossa JT: 2278
Larrue J: 148
Larsen HW: 76
Larsen M: 191
Larsen PR: 3646
Larsen S: 191
Larsen W: 1231
Larsson K: 820
Larsson LE: 2279
Larsson LI: 3811
Larsson O: 144
Larsson-Cohn U: 1883, 2280
Lasley BL: 220
Lasne Y: 835
Lassen JB: 2281
Lasser EC: 2416
Lässig W: 3431
Lassmann H: 1918
Lataste C: 3318
Lathrop JC: 2282
Latt SA: 889
Lau HC: 2283
Lau IF: 3409
Lau KM: 670
Laub DR: 3065
Lauersen NH: 3295
Laugharn JA Jr: 618
Laughren TP: 2284
Laumas KR: 1838, 1877
Laumonier R: 3524
Laurberg P: 2285-2286
Laurent JL: 2287
Lauritzen C: 2803, 3785
Lauro R: 2288
Laury MC: 2289
Lauter CB: 1840
Lauterbach H: 1640
Lauwerys R: 503
LaVail JH: 2075
Lawecki J: 608
Lawley TJ: 2770
Lawrence JC: 2277
Lawrence JH: 397
Lawrence NL: 177
Laws ER: 2012
Lawson DE: 1913, 2290
Lawson R: 383
Lazareva NA: 1450
Lazarova K: 2116
Lazarowitz VC: 754
Lazarus L: 587
Lazuardi S: 1616
Le Beau J: 2291
Le Blanc AE: 2292
Le Blanc GA: 2481
Le Bodic L: 682
Le Cam A: 1232
Le Clech G: 3469
Le-clerco I: 3365
Le Gac-Jegou F: 1864
Le Porrier N: 3839
Le Rebeller MJ: 2293
Leach CS: 4084
Leach EC: 141
Leaming AB: 2351
Leary WP: 132
Leat WM: 2294
Leatherland JF: 564, 3598
Leavis PC: 2295
Leavitt WW: 1096
Leb G: 1369
Lebedev BV: 2017
Lebedev NN: 3630
Lebedev VP: 178
Leboulenger F: 4076
Lecerof H: 1746
Lechene C: 2296
Leclercq G: 924, 1645
Lecocq R: 1013
Lécureuil M: 2297
Ledley RS: 433
Ledoux-Lebard G: 648
LeDuc LE: 2298
Leduc M: 254, 3402
Lee CK: 27
Lee CY: 670, 1710
Lee DC: 2299
Lee FK: 2300
Lee FL: 4182
Lee HM: 2301
Lee JC: 882
Lee KF: 2302
Lee KL: 2883
Lee KS: 38
Lee LA: 4300
Lee LL: 2303
Lee MS: 2304
Lee PY: 2974
Lee SL: 2305
Lee T: 1237, 2306
Lee TF: 780
Lee TM: 614
Lee TP: 530
Lee WN: 3857
Lee YY: 2379
Lee-Hong E: 2307
Leebaw WF: 4300
Leelarasamee A: 2308
Lefcoe NM: 3965
Lefebvre G: 2309, 3512
Lefebvre J: 876, 920, 2393-2394, 3980
Lefebvre P: 2310
Lefer AM: 3692
Lefevre A: 2311
Leffert HL: 2312
Lefkowitz RJ: 2313, 4208
Leger AF: 612
Léger L: 915
Legros JJ: 2314
Legros R: 2315-2317
Leguerrier A: 213
Lehmann GW: 2318
Lehmann J: 3789
Lehmann V: 1703
Lehmeyer JE: 2319
Lehr D: 350
Lehrer SS: 2295
Leibel RL: 2320
Leibowitz M: 3401
Leibowitz SF: 2321
Leichtling BH: 4232
Leigh JB: 1018
Leigh JS: 367
Leight GS: 2322
Lein DH: 1750
Lein JM: 601
Leisering W: 2323
Leisti S: 2324
Leistner B: 3366
Leite MO: 2325
Leitin VL: 1921
LéJohn HB: 559
Lekieffre J: 1600
Lele SB: 3147
Leloir LF: 3743
LeMaire WJ: 4256
Lemay A: 2326
Lemberger L: 2327
Leme CE: 2328, 4132
Leme PR: 4132
Lemkes HH: 335
Lemmerz AH: 2329
Lempert N: 19
Lenaers-Claeys G: 4045
Lenaz GR: 3025
Lenkinski RE: 2330
Lennon JM: 91
Lenoir F: 2331
Lenton EA: 3706
Lenys D: 506
Lenzi R: 2332
Leon M: 794
Leonard JC: 2333
Leonard NJ: 991
Leonardelli J: 3981
Leong JC: 2425
Leong P: 3942
Leonhardt H: 2334
Leonowicz J: 2335
Leonowicz K: 2335
Leont'eva GR: 2336
Lepekhina LM: 2337
LePiane FG: 3125
Leporda G: 2338
Léranth C: 3494
Lerario AC: 2328
Lerdo de Tejada A: 620, 2339
Lereim P: 345
Lerman S: 570
Lerner AB: 2340
Lerner LJ: 2341
Lerner N: 1039
Leroux P: 2342
Leroy JP: 296
Lesage J: 2343
Lesker P: 4228
Lešník F: 2344
Lester PD: 2345
Letchworth AT: 2346
Letov VN: 3813
Lettieri F: 3092-3093
Leuschen MP: 2347
LeVeen HH: 2036
Leveille P: 921
Levell MJ: 1526
Levene RZ: 3722
Lever AF: 1147
Levey GS: 1067, 4086
Levi L: 40
Levi-Montalcini R: 2631
Levin AB: 2348
Levin DL: 1178
Levin JI: 2349
Levin R: 1430
Levin RM: 2350, 4188
Levin V: 4262
Levina LN: 501
Levine JH: 2351
Levine L: 2942
Levine S: 1430, 4180
Levinson D: 1249
Levinson RS: 63
Levitan MKh: 1125
Levy M: 2352
Levy SB: 2691
Lewenthal H: 328
Lewis BD: 3206
Lewis DA: 2353
Lewis JG: 2354
Lewis JL Jr: 1786, 2027
Lewis M: 2355
L'Hermite M: 977
Li CH: 1684, 2356-2357
Li CK: 2358
Li K: 2359
Li YP: 2459
Liakhovich VV: 4010
Lian EC: 811
Lian JB: 728
Liang CS: 2360
Liang CT: 2361
Liapin MN: 216
Liberatore C: 2288
Liberman B: 2328
Liberman EA: 2362
Liberman UA: 2363
Libshitz HI: 3256

Licata AA: 2364
Lichardus B: 3162
Lichtenberger MJ: 2331
Lichtensteiger W: 2365–2366
Lideman RR: 4075
Lie M: 2367
Lie-Injo LE: 3896
Liebau G: 320
Liedtke RJ: 2368
Lief HI: 3091
Liehr H: 3245
Lien EL: 2369
Liepman M: 2370
Liisa Karonen S: 2371
Lijnen PJ: 2372
Likhachev IuP: 529
Liley NR: 2471
Liliequist B: 306
Lillie RJ: 2373
Lilly JR: 3078
Lim C: 2374
Lim L: 4224
Lim R: 2375
Lim TK: 4279
Lima Filho EC: 2028
Lima Filho OA: 2376
Limarenko IM: 3983
Limerat F: 183
Limlomwongse L: 2176
Lin CS: 2377
Lin JP: 2170
Lin MT: 2378
Lin SB: 1775
Lin SR: 2379
Lin YM: 2380
Linas SL: 2381–2382
Lincoln GA: 2383
Lincoln TM: 761–762
Lindberg S: 3949
Lindberg UH: 2384
Lindeberg G: 2279
Lindell TJ: 3928
Linden J: 2385
Lindgren JA: 2386
Lindheimer MD: 2387
Lindholm H: 2388
Lindholm J: 2052, 2912
Lindholm TS: 2389
Lindner K: 2168
Lindqvist I: 2390
Lindsay R: 2391
Lindsay RH: 2392
Lindsey GG: 3214
Lineberry MD: 4131
Ling KH: 2427
Ling N: 362
Ling WY: 4256
Link H: 1228, 2714
Linquette M: 876, 920, 2393–2395, 3980
Linzner U: 2787
Lion F: 3141
Liotta AS: 2396
Lipner H: 3087, 3436
Lipovskiĭ SM: 2397
Lippard SJ: 3789
Lippe BM: 2398
Lippman ME: 817, 1928, 2399
Lipshultz LI: 1441
Lipshutz MD: 767
Lipson LG: 2400
Lis M: 420
Lisá L: 2401
Lisoni M: 3365
Lisowski FP: 2425
Lissitzky S: 573
Liston WA: 477
Litten RZ 3d: 2402
Liu FT: 991
Liubimov BI: 2403
Liubimova EV: 1921
Liubimova-Engel'gardt MN: 2404
Liuzzi A: 3652
Livingston AL: 2405
Livio M: 2406
LiVolsi VA: 2407
Lizarralde G: 2408, 4030
Ljunghall S: 166
Llamas R: 2409
Llewelyn DE: 4141
Lloyd KO: 1786
Lo CS: 2363, 2410
Lo TN: 2410
Lo Cascio V: 2411
Lo Coco R: 581
Lo Giudice C: 743
Lobova EB: 1393
LoBue J: 580
Locatelli V: 2412
Locke ER: 480
Lockwood DH: 2413
Lodovici O: 1068
Löffler G: 2433
Lofgren CS: 3547
Löfgren J: 1238
Logan R: 675
Logghe N: 4060
Logvinenko EV: 131
Loh H: 2840
Loh HH: 1684
Loisillier F: 1664
Loken HF: 702
Lokich JJ: 2414
Lolas F: 2415
Lolley RN: 1117
Lombard MN: 3076
Lomedico ME: 3879
Lomonaco DA: 2028
Long DM: 2416
Long R: 260
Long RG: 2417
Long WB 3d: 1354
Longnecker DE: 2671
Longo DL: 2418
Longo R: 581
Loogen F: 2193
Looney TJ: 3720
Loose DS: 1128
Loosli JK: 2020
Lopez C: 723
Lopez CG: 3896
López-Pedret J: 147
Lopitaux R: 2419
Lorenc R: 1872
Lorens SA: 2094
Lorenzen I: 191
Lorez HP: 2420–2421
Loriaux DL: 817
Loridan L: 2560
Lorincz AL: 1249
Lorke D: 2422
Lorscheider FL: 1581
Losowsky MS: 3600
Lospalluti M: 2629
Lothstein LM: 2423
Lotti G: 2567
Loubrieu G: 2852
Lough F: 1473
Lovchikov VA: 2397
Love ER: 831
Lovell RT: 2374
Lovrenčić MK: 2424
Low ES: 2598
Low WC: 2303
Low WD: 2425
Lowe EW: 635
Lowenstein J: 1940
Lowry PJ: 1860, 2426, 3645
Lozano Garcia M: 3377
Lu FJ: 2427
Lubbe WF: 2428–2429
Lubetski D: 4100
Lubienecki C: 4381
Lubin B: 2430
Lucarelli G: 2431
Lucas A: 2432
Lucas DO: 539
Lucas M: 2433
Lucchesi JC: 3731
Luche MJ: 881
Luchino F: 3970
Luciani JM: 2434
Luciani L: 2332
Luderer RC: 2435
Ludwig H: 2436
Luengo J: 2437
Luetscher JA: 1725
Lufkin EG: 3884
Luisetto G: 602
Lukasik S: 2131
Lukaszewska J: 3224
Lukaszewski B: 4307
Luke RG: 2133
Luk'ianchikov VS: 2438
Lukieńczuk T: 962
Lumbers ER: 2439
Luna G: 3078
Luna M: 265
Lund DD: 3334
Lundblad A: 2440
Lundervold A: 3719
Lundquist C: 2534
Lundström B: 2441
Lundy H: 2442
Lunell NO: 346
Lunenfeld B: 3801
Lunia C: 2443
Lunia S: 2443
Luque E: 12
Lusch CJ: 2444
Lüth JB: 941, 1461, 2445, 2524
Luthoid W: 3959
Lutton JP: 2446
Lutsenko MT: 3392
Lutz-Bucher B: 460, 2087
Luukkainen T: 2897
Luxenberg M: 1900
Luyendijk W: 2447
Luzi P: 3971
Luzuriaga C: 2560
L'vovich AI: 2448
Lyba RM: 3277
Lye C: 1861–1862
Lyko MM: 2026
Lyles GA: 2449
Lynch DF Jr: 2450
Lynch HT: 2451–2452
Lynch JF: 2451–2452
Lynch PM: 2451
Lynch T: 989
Lynch TJ: 645, 4142
Lynham JA: 1565
Lysovaia EN: 2093
Lyszczek M: 2453

M

Ma PH: 670
Maathuis JB: 2454
Mabry RL: 2455
Mabuchi H: 3856
Mabuchi K: 2456
Maca RD: 2457
McAdoo BC: 2458
McAinsh J: 1165
McAlister WH: 2345
McAllister CK: 2905
Macaron C: 2459–2460
McArthur JW: 2400
Macaulay JC: 65
Macaulay RA: 2461
Macbeth WA: 619
McBride WG: 4005
McCabe JB: 1132
McCann SM: 2943, 4093–4094
McCarrick J: 2761
McCarthy D: 761
McCarthy J: 18
McCarthy K: 921
McCauley EA: 2462
Macchia E: 1136
McClellan G: 1395
McClenaghan MD: 1565
McClintock AE: 1896
McClung MR: 4343
McClure TJ: 2463
MacConaill MA: 2464
McConkey B: 792, 2465
McCord LP: 2450
McCormick D: 61
McCormick WF: 277
MacCornack FA: 4313
McCrady JD: 2466
McCue SA: 1442
McCullagh KG: 849
McCulley HG Jr: 2408
McDermott IR: 2467
Macdonald DW: 2468
Macdonald HN: 1396, 2469
McDonald JM: 2470

McDonald JW: 609
McDonald KM: 82, 2381
McDonald PA: 2471
MacDonald PC: 1097
McDowall DG: 2763
McDowell GH: 1266
McDowell LR: 2020
Mace PJ: 4275
McElfresh AE: 679
McElin TW: 1736
McGanity WJ: 865
McGee R: 2472
MacGillivray MH: 2649
McGinnis JF: 921
McGrath CM: 2473
McGregor AM: 3104
MacGregor RR: 2474
McGregor WH: 2369
McGuffin JC: 715
McGuire WL: 2475
Mach Z: 2476
Machalski M: 1719
Machin D: 402
Machuca Chávez JP: 2477
McIlrath EM: 2487
McIntire KR: 1856
McIntosh GH: 2478
Mack E: 2479
Mack G: 2519
Mackay AV: 2480
McKay HA: 2481
McKay RD: 749, 2482
McKenna TJ: 3223
McKenzie C: 4268
MacKenzie CL Jr: 1447
McKenzie JM: 2483, 4371
McKenzie M: 2571
McKenzie S: 2642
Mackes KG: 4044
McKibbin B: 2484
McKiddie JM: 3568
McKinney RV: 3529
McKnight GS: 2299
Mackowiak PA: 2485
McLachlan MS: 2486
McLain C: 3999
McLanahan CS: 3945
Maclaughlin RA: 2064
Maclay E: 2487
MacLean A: 2391
McLean DI: 3381
McLelland J: 2488
MacLennan WJ: 2489
MacLeod RM: 548, 2255, 3024
McLoughlin L: 1860
McMahon KE: 1869
McMann BJ: 2725
MacManus JP: 2490
McMichael AJ: 1027
McMillan CW: 291
McMurtry RJ: 3887
Macnaughton MC: 1172
McNaughton PA: 174
McNaughton WM: 2306
MacNeil S: 1752
McNeill KG: 3218
McNeill TH: 3540, 3684
McNicol GP: 856, 3974–3975
MacPherson JL: 3754
McRae A: 3206
McTaggart HS: 490
McVie JG: 490
McWilliams M: 4194
Madden J: 427
Maddern PJ: 2491
Maddox YT: 783
Madduri SD: 2492
Madeddu G: 2493
Madej G: 2494
Madge GE: 2301
Madroszkiewicz A: 2495
Madsen S: 2496, 2960
Madyono B: 1616
Maeda K: 2695, 4325
Maeda M: 2809
Maeda T: 4334
Maeda Y: 1988
Maekawa T: 2037
Maestracci D: 414
Maestroni GJ: 3139
Maeyama M: 2698
Maezawa H: 2922
Maffly R: 3255, 3886
Magee MC: 2520
Maghuin-Rogister G: 717, 2497
Magli MC: 3092–3093
Magnasco LA: 128
Magnati G: 2498
Magnon-Pujo B: 1198, 2981
Magnus L: 2499
Mahesh VB: 4156
Mahmoudian M: 3678
Mahu JL: 1474
Maianskiĭ DN: 1986
Maier KP: 2500
Maina D: 3879
Maio JJ: 484
Mair G: 4268
Maira G: 1475
Maisels MJ: 4029
Maisey MN: 2501
Maish TL: 783
Maisin JR: 2502
Maiskiĭ VA: 2503–2504, 2504
Majak J: 2505
Majeron MA: 116
Majima H: 3843
Majlessi H: 2506
Majumdar SK: 2507
Majumder GC: 2508
Makara GB: 2509
Makarski JS: 2510
Makdani DD: 2605
Makken R: 2035
Makman MH: 32
Makogonenko EM: 2188
Makous WL: 2250
Makowski V: 2
Malacarne P: 2511
Malakhovskiĭ VA: 2019
Malarkey WB: 755
Malchow D: 2512, 2582, 3229
Maldarizzi F: 1472
Maleniuk BV: 2127
Malhotra V: 3902
Malinkovich VD: 2513
Malkin A: 563
Malkin GD: 563
Málková E: 2086
Málková J: 2086
Malkowska W: 2115
Mallet A: 696
Malone JF: 2930
Maloof F: 752, 2848
Malpuech G: 2592
Malsbury CW: 1041
Maltais R: 4088
Malvin RL: 2514, 3033
Malygina AI: 2515, 2895
Mamelak M: 3886
Mamon Z: 4369
Mamori M: 1570
Mamykina VM: 2516
Manchanda KC: 3662
Mancheño E: 3375
Manciet G: 3318
Mancini AM: 2517
Mancini P: 3120
Manclark CR: 1646
Mandal SB: 2518
Mandel P: 2519, 4409
Mandell J: 2520
Mandelli M: 208
Manente P: 743
Maney L: 3580
Manfredi A: 2521
Mangat HK: 2522
Mangiafico S: 86
Mangold K: 3498
Manian AA: 776
Mańka W: 653
Man'ko VM: 3370
Manku MS: 67, 1708
Manly KF: 2523
Mann JF: 941, 1461, 2445, 2524
Mann JI: 4087
Mann LI: 3895
Mannheimer S: 2055
Manni A: 3067
Manning AC: 1225
Manriquez C: 2150
Mansani FE: 738
Mansberger AR Jr: 2525–2526
Mantegazza F: 3322
Mantegazza P: 2412
Manteuffel Ev: 3513
Mantovani G: 45
Manukhin BN: 3586–3587
Manzanilla Sevilla R: 2527
Mapelli A: 398
Maraček I: 2528–2529
Maragno PD: 4037
Marbach P: 3150
Marboe CC: 2808
Marcano de Cotte D: 292
Marchbanks RM: 4293
Marche C: 289
Marchenko MI: 2531
Marcinkowski Z: 2532
Marcó J: 2533
Marcus R: 2534
Mardjuadi A: 2535
Marek J: 2536
Mareta M: 2344
Maretsis M: 123
Margen S: 2033
Margileth AM: 2537
Marie MP: 2886
Mariette JB: 4069
Marietti G: 3970
Marin B: 2630, 4092
Marin L: 827, 2538
Marineau EJ: 2473
Marinelli PV: 3688
Marinetti GV: 2003
Marini A: 3031
Marino AA: 2539
Marinone G: 2540
Markarova L: 257
Markham R: 1219
Markiewicz A: 4161
Markiewicz K: 2541
Markov AG: 1423
Markowitz A: 1840
Marks AD: 595, 2241, 2542
Marks DB: 2542
Marks J: 427
Marks KH: 4029
Marks LS: 2543
Marks PC: 2544
Marks R: 2545
Marks V: 861
Marmor D: 3839
Marone G: 3093
Marongiu A: 2493
Maroon J: 1009
Marotta SF: 1304
Marovski S: 1333
Marquez J: 3335
Marquezine FJ: 3920
Marrett LD: 2546
Marsden CA: 2547
Marsden HB: 2548
Marsh JM: 4256
Marshall DH: 3080
Marshall GR: 2298
Marshall JA: 2549
Marshall JS: 2550
Marshall LF: 2551
Marston JH: 3672
Martal J: 2552
Martí-Viaño JL: 2989
Martigne C: 777
Martin FI: 255
Martin JB: 4261
Martin JM: 1455
Martin JT: 655
Martin K: 1718
Martin N: 1215, 2309
Martin RB: 2553
Martin SK: 2554
Martin SR: 1073
Martin SW: 1071
Martin TJ: 788, 1752, 2555, 2759
Martincu V: 988
Martinez AB: 2556
Martínez Alcalá F: 2527
Martínez-Vázquez JM: 2557
Martino F: 2558
Martiny PJ: 2559

AUTHOR INDEX

Martoni A: 3025
Martono DD: 63
Martul P: 2560
Martynenko FP: 2561
Marushige K: 2562
Marushige Y: 2562
Maruta M: 3859
Maruyama H: 2563
Maruyama S: 2564, 3452
Maruyama Y: 2565
Marx SJ: 2322, 4223
Marxer MA: 2566
Marzollo P: 2521
Mas R: 1421
Masaki T: 3976
Masala A: 2567
Masamune R: 2997
Mascia V: 2568
Mašek K: 1920
Masel J: 2147
Mashiter K: 1503
Mashkova MV: 851
Masi AT: 2569
Maskati BT: 4050–4051
Maslennikov GA: 3167
Maśliński C: 2132
Masoli P: 4040
Mason AN: 3898
Mason JI: 2570
Mason WL: 2571
Masouka T: 2572
Massara F: 2715
Massarotti M: 2573
Massé H: 3796
Massey JM: 3084
Massidda B: 2568
Massimo L: 874
Massobrio M: 2574
Massry SG: 1384, 2575
Masuda S: 2937
Masuda Y: 2572
Masukawa H: 2937
Masukawa T: 4006
Mata M: 2472
Matadial L: 3350
Matasović T: 2576
Mategrano V: 4282
Matei V: 2577
Mather J: 2578
Matheus M: 2579
Mathieson BJ: 2580
Mathieu MN: 647
Mathur R: 3181
Matild S: 3934
Matin SB: 2581
Matlib MA: 784
Mato JM: 2582
Matoth Y: 4369
Matouschek E: 2583
Matoušková O: 2842
Matre R: 1527
Matricali B: 2447
Matsuda S: 1777, 4359
Matsui M: 2584
Matsui N: 4326
Matsui Y: 2585
Matsuki A: 3874
Matsukura S: 1659
Matsumoto: 1778
Matsumoto A: 2586
Matsumoto H: 2587
Matsumoto K: 3904
Matsumura H: 2588
Matsuoka H: 2695
Matsushita K: 1660
Matsuura K: 1768
Matsuura N: 2589
Matsuyama AM: 1832
Matsuyama H: 3962
Matsuzaki Y: 2590
Matsuzawa T: 2958
Matta MK: 2591
Mattar E: 133–134, 360, 2328, 3959, 4132
Mattei JF: 2592
Mattei MG: 2592
Mattelin G: 2502
Mattheck C: 1598
Mattheiem WH: 1645
Matthews BF: 2593
Matthews G: 2594
Matthews JL: 2595–2596
Matthews PG: 928
Mattson KV: 33
Matty AJ: 31
Matuo Y: 343
Matusmoto T: 2937
Matuszczyk S: 2597
Matzen K: 1509
Maughan DW: 2598
Maurice P: 2276
Mauro A: 1410
Maussier ML: 2558
Mautalen CA: 2243
Mavier P: 1474
Maxion H: 2599
Maxwell GM: 2600
Maxwell MH: 2543
May-Levin F: 2601
Maydew RP: 2043
Mayer P: 2061
Mayer RJ: 3443
Mayer SE: 2602
Mayeri E: 443
Mayes LC: 1028
Maynard PV: 2603–2604
Mayor GH: 2605
Mazana Rivera M: 44
Mazingue C: 2606
Mazor B: 2607
Mazumdar S: 1561
Mazumder G: 1023
Mazur L: 2608
Mazurek W: 508, 2262
Mazzaferri EL: 2609, 4038
Mazzetti A: 207
Mazzocchi G: 2866, 2925
Mazzuca M: 3980
MdDonnell GD: 1095
Mechanic GL: 195–196
Mecklenburg RS: 4276
Medal LS: 2610
Meddis D: 3916
Medeiros-Neto GA: 2611
Medovar EN: 2223
Mędraś M: 2612
Meehan WL: 2481
Meema HE: 3218
Meherji P: 4048
Mehrotra PK: 2613
Mehta GS: 3207
Mehta HC: 3885
Mehta HS: 1953
Meignan M: 2614
Meigs JW: 2546
Meikle MC: 3563
Meire HB: 2615
Meirelles RS: 3648
Meisner LF: 2616
Meissner GF: 2282
Meistrich ML: 2617
Mekler LB: 2618
Melander S: 4
Melato M: 2619
Melby JC: 2278
Melick RA: 337
Melin P: 2279
Melis GB: 2620
Meller E: 2254
Mellies M: 3999
Mellon M: 2621
Mellow AM: 2622
Mel'nikov RA: 4123
Melnyk V: 1674
Meltzer HY: 1114, 2623
Mena F: 2624
Menagé JJ: 2852
Menard J: 55, 770, 1293
Menard R: 3158
Menczer J: 2625
Mendecki J: 2626
Mendelsohn G: 1756, 3233
Mendelson IS: 2627
Mendelson WB: 2628
Mendez R: 667
Mendez-Picon G: 2301
Mendoza SA: 1457
Meneghini CL: 2629
Menéndez-Patterson A: 2630
Menesini Chen MG: 2631
Meng S: 2633
Meng W: 2632–2633
Menkes J: 1380
Menon KM: 161
Menschik I: 4391
Mense S: 2076
Mentzer WC: 2634
Menz LJ: 218
Menzies-Gow N: 2635
Mercer JB: 2636
Mercuri SM: 337
Mercurio TM: 2444
Merelli P: 4097
Merimee TJ: 2637–2638
Merin G: 2639–2640, 2640
Meringolo C: 3961
Merino H: 2647
Merino MJ: 2407
Merker G: 4310
Merle P: 4069
Merlino JT: 4395
Merrill AS: 1447
Merrin C: 2641
Merry BJ: 1520
Mertelsmann R: 2642
Mertens E: 1613
Mertvetsov NP: 2643
Meshcherskiĭ RM: 1450
Meshchishen IF: 4000
Meshkova LI: 2223
Mesniankina NV: 3709
Messer J: 4250
Messeri G: 241
Metcalf MG: 2644
Metcalfe JB: 2645
Mettenburg R: 3334
Metzger J: 2646
Metzke H: 3431
Meuer S: 263
Meunier JM: 148
Meunier P: 276, 3263
Meurer KA: 1603
Meuwese JP: 3476
Meyer JD: 2647
Meyer KH: 2648
Meyer P: 928, 1694
Meyer RB Jr: 2673
Meyer-Bahlburg HF: 2649
Meyerson BJ: 1642–1644
Meynadier J: 1480–1481
Mezey E: 3015
Mialhe C: 460, 2087, 2650
Mialhe P: 1463
Miallier T: 4069
Miani C: 2651
Mibayashi Y: 2652
Michael AF: 1236
Michael SD: 3249
Michael UF: 2653
Michalopoulos G: 2654
Michat L: 2917
Michaud A: 696, 770
Michaud PA: 2655
Micheau C: 2656
Michel F: 2657–2658, 3163
Michel FB: 707
Michel R: 3557
Michel-Bechet M: 68
Michelangeli VP: 788
Michels PA: 2659
Mickley GA: 2660–2661
Miechi H: 167
Miehle W: 2662
Miętkiewski J: 2144
Mifmakhova AS: 1806
Migas EA: 4380
Migeon CJ: 4146
Migunov VN: 2663
Mihalaş I: 791
Mihashi K: 1774
Mikaelian S: 2664
Mikami R: 2665
Mikhaĭlov EP: 1990
Mikhaĭlova GP: 3903
Mikhaĭlova NG: 3440
Mikhaĭlova TL: 1125
Mikkelsen M: 76, 375
Mikuni T: 2666
Miles WF: 3542
Milewich L: 1331
Milhaud A: 2776

Milhaud G: 1912, 2667
Miljanović B: 1908
Millar RP: 1980, 2032, 2668
Millard FJ: 4254
Millard PR: 4272
Milleiz P: 3254
Milleman LE: 2669
Miller DD: 3131
Miller DS: 3221
Miller ED Jr: 2670–2671
Miller H: 1058
Miller JM: 2672
Miller JP: 2673
Miller KW: 2674
Miller LD: 309, 2675
Miller LH: 2554
Miller OV: 1414
Miller P: 683
Miller PD: 2381–2382
Miller RE: 2676
Miller RK: 859
Miller RW: 2677
Miller WR: 3091
Milliez P: 2276
Milligan FD: 1755
Millikan LE: 2678
Mills IH: 3669
Mills JN: 2679
Milon H: 23
Milsheva TsB: 3587
Milusheva TsB: 3586
Milwidsky A: 2680
Mimura H: 3620
Mimura T: 1814
Minaguchi K: 1781
Minaguchi T: 1780
Minami K: 1772
Minami N: 2681
Minamikawa J: 1773
Minard B: 3101
Minder C: 2682
Minima LS: 1111
Minina LS: 1112
Minina SV: 2362
Mino M: 2743
Minors DS: 2679
Mintz DH: 3222
Miodovnik M: 2680
Mir Z: 2016
Miranda H: 2683
Miras-Portugal MT: 2684
Mirazizov KD: 2685
Mireylees SE: 2686
Miri PG: 874
Mirkin A: 167
Miró R: 1300
Mirocha CJ: 2687
Mirouze J: 1836–1837
Mirvis SE: 1756
Mirzabaeva RKh: 2017
Mischke W: 3492
Misenhimer HR: 2688
Mishchenko ED: 4118
Mishell DR Jr: 2724, 3541
Mishima H: 2798
Mishima Y: 2741
Mishina H: 2958
Mishkin M: 2689
Mishra S: 180
Mishra SS: 93
Mišinger I: 961
Misra AL: 2690
Misra BC: 180
Misra V: 28
Mitani H: 2746
Mitas JA: 2691
Mitchell DM: 2692
Mitchell I: 918
Mitchell JA: 1309
Mitchell JR: 3887
Mitchell MD: 330, 2432
Mitchelson F: 2358
Mitina NA: 2404
Mitra A: 180
Mitsuhashi A: 112
Mitsuma T: 2693–2694, 2893
Mitsumoto S: 2572
Mittal CK: 2795
Mittal RK: 3662
Mitznegg P: 3799
Miura C: 4316
Miura K: 1064
Miura T: 4359
Miura Y: 2082
Miwa S: 3860
Miyachi Y: 2798
Miyahara H: 2695
Miyaho S: 2696
Miyai K: 2697
Miyakawa I: 2698
Miyakawa T: 839
Miyake B: 1780
Miyake YI: 2699
Miyamae T: 1944
Miyamori I: 3856
Miyamoto M: 1791, 3856
Miyamoto Y: 3816
Miyasaka N: 2700
Miyata A: 4008
Miyata M: 3452
Miyata T: 2564
Miyauchi A: 1929
Miyauchi Y: 2746
Miyazaki K: 2698
Miyazaki M: 2701
Miyoshi K: 1785, 4332–4333
Mizon J: 4340
Mizuguchi K: 1987–1988
Mizuhira V: 822
Mizukami T: 2702
Mizukoshi H: 2703
Mizuno F: 4355
Mizuno K: 2950
Mizuno Y: 2673
Mizutani S: 2704
Mlac M: 2619
Mlczoch J: 2705
Młynarczyk W: 3565
Mobarok Ali AT: 1208–1209
Mobbs BG: 2706
Mobin A: 3654
Mockel J: 1013
Moctezuma J: 2542
Modder B: 1161
Modigliani E: 1485
Modzelewska I: 2707
Moe PJ: 2708
Moeglen C: 2788
Moens H: 2709
Moerman EJ: 1385, 1387
Moeslichan S: 231
Moggi G: 2710
Moghimzadeh E: 4073
Mogil L: 1443
Moguilevsky JA: 2711
Mohamed AH: 2712
Möhring J: 2713, 3097
Moia R: 169
Moinade S: 621–622
Mojović M: 3734
Mok C: 1455
Mok CK: 2425
Moldenhauer M: 2714
Moldofsky H: 1873
Molin L: 3760
Molinatti G: 2715
Molinoff PB: 2716
Möller G: 1140
Moloney WC: 1704
Mombelloni P: 2540
Momose KJ: 2717
Monaco F: 2110
Monaco ME: 817
Monakhov HK: 50
Moncada S: 2718–2720, 2719–2720
Mongongu S: 3796
Monneron A: 2721
Monro PP: 1744
Monteiro JC: 3018
Montel G: 2315
Montes A: 3313
Montes M: 585
Montgomery AC: 3018
Monti MA: 3549
Monti PM: 489
Monzani F: 1136
Moody GM: 2466
Moon TE: 3415
Moor RM: 2722
Moore AT: 2723
Moore BW: 2100
Moore CF: 3647
Moore DE: 2724
Moore ES: 2725
Moore FD: 2991
Moore KE: 1347
Moore MA: 2642
Moore MR: 2726
Moore RD: 2723
Moore RE: 2723
Moore RG: 4005
Moore RN: 1399
Moore RY: 1108–1110, 2727–2728
Moore T: 2729
Moore TD: 865
Moorthy AV: 2730
Mooy JM: 1857
Moqbel R: 2731
Morack G: 2732
Morant SV: 1554
Morariu MA: 2733
Morato T: 572
Morel F: 610
Morenkova SA: 2734
Moreno AR: 2344
Moreno ME: 572
Moreno González A: 3220
Morera AM: 2311, 2735
Morfín RF: 2736
Morgado R: 397
Morgan CM: 1513
Morgan R: 2679
Morgan RE: 3576
Morgan RO: 67, 1708
Mori JG: 2737
Mori K: 2738–2739
Mori M: 1263
Mori N: 2698
Mori S: 2105
Mori T: 1256
Moriarty GC: 2740
Morii H: 2741–2742, 2920
Morikawa S: 3816
Morikawa Y: 2743
Morikoshi M: 2186
Morimoto S: 2947, 3856
Morimoto T: 1792
Morimoto Y: 2744
Morin JP: 4076
Morin LP: 2745
Morisaki M: 1020
Morishige WK: 2879
Morishita H: 2746
Morita I: 3408
Morita N: 2747
Morita R: 1256
Moritz G: 1603
Moriwaki K: 2748
Moriyama Y: 1161
Morkunas AM: 3398
Mörl M: 2749
Morley BJ: 435
Morley JE: 2750, 3077
Mornex R: 1198, 2791, 2981
Moroji T: 1699
Morooka H: 2751
Morozova RP: 2139
Morrell JI: 2173
Morresi G: 241
Morris DJ: 2752
Morris ID: 2219
Morris JF: 2753
Morris L: 2147
Morris PJ: 4272
Morris R: 3120
Morrison JC: 2754
Morrison SD: 2755
Morrison VV: 2756
Morrow TW: 2757
Morse JR: 3535
Mortel R: 4252
Morton JJ: 2758
Morville M: 451
Mosca F: 200
Moschini L: 2839
Moseley JM: 2759
Moser K: 3528
Moser M: 2760
Moser ME: 1376
Moshirpur J: 2761

Moskalenko VZ: 2226
Moskovtchenko JF: 1003
Mosley JG: 2762
Mosley W: 698, 2010
Mosley WH: 1734
Moss E: 2763
Moss J: 248
Moss RL: 1191, 1999, 2764
Most H: 2765
Moszczyński L: 3829
Motlik K: 2086
Motomura S: 2766
Motson RW: 2767
Mott JC: 589
Moukhtar MS: 1197, 1912
Mould S: 3544
Moulin JP: 4047
Mouridsen HT: 1221
Moustafa LA: 2768–2769
Moutsopoulos HM: 2770
Moylan RD: 3906
Mozeš S: 2771
Mozgovaia EN: 2772
Mroczek WJ: 2773
Mroszczak EJ: 2774
Mróz-wasilewska Z: 3062
Mueller A: 2775
Muijsson-Arnold IE: 2571
Muir JF: 2776
Mukashev MSh: 2777
Mukerjee H: 2778
Mukherjee AB: 2779–2780
Mukherjee S: 2781
Mukherjee TM: 395
Mukhtar H: 2782
Mulcahy GM: 2452
Mulder E: 4054
Mulder FJ: 925
Mulhern C: 1348
Mullen JL: 309
Mullens IA: 2783
Müller E: 4225
Müller EE: 942, 2412
Müller G: 1590, 3514
Muller H: 4074
Müller J: 2784
Müller M: 4057
Müller R: 2785, 3493
Müller S: 2786
Müller WA: 2787
Müller-Brand J: 2788
Müller-Tyl E: 2789
Mullikin D: 4208
Mullinax D: 674
Mulrow PJ: 3868
Multer FK: 2416
Mulvihill ER: 3021
Munan L: 2790
Munari Y: 2791
Münchow H: 305
Munck A: 2792
Mundy GR: 2091, 3231
Muniz J: 3894
Munro JF: 562
Munshi SR: 2793, 2817
Munyadziwa EH: 371
Münzenberg KJ: 2794
Muquardt C: 977
Murad F: 2795
Muradian KhK: 1243
Murai JT: 2796
Murakami H: 3553
Murakami N: 2797
Muralidhara KS: 1686
Muramatsu M: 2218
Murazaki M: 2798
Murer H: 1098
Murphy GP: 2041
Murphy RA: 4362
Murphy RC: 1223
Murquardt C: 402
Murray F: 4029
Murray JF: 2799
Murray JL: 2800
Murray MA: 1758
Murray RD: 3033
Murray TM: 3218
Murtazaeva LA: 2801
Musacchia XJ: 2802
Musch K: 2803
Muscoplat CC: 3716
Musey PI: 2804, 4305–4306
Musich PR: 484
Mustafa SJ: 1378
Mutafchieva M: 3753
Muth CP: 1595
Myers A: 1448
Myers JB: 2750
Mygind N: 2805
Myles K: 255
Myskiw PM: 2806
Myśliwska J: 2807
Myśliwski A: 2807
Myszkowska K: 661

N

Nabarro JD: 1215
Naeye RL: 2808
Naftchi NE: 1940
Nagai J: 109
Nagai T: 2809, 3854
Nagai Y: 318, 2941
Nagamachi N: 2746
Nagamachi Y: 2809
Nagano T: 2810
Naganuma LI: 3437
Nagao M: 3560
Nagao S: 3615
Nagarajan B: 2251
Nagasawa H: 2811–2812
Nagashima N: 1791
Nagata I: 3861
Nagata N: 2029
Nagata Y: 2813
Naggar VF: 2814–2815
Nagira Y: 1264
Nagle CA: 167
Nagy GS: 1355
Nahir MA: 3487
Nahrwold ML: 3378
Naidenov IuP: 2895
Naiem EA: 2486
Naik SR: 2816
Naik VK: 1905
Naïnis IV: 2531
Nair RK: 2793, 2817
Naito K: 2218
Najbrt V: 2818
Najean Y: 2819
Najman A: 837
Nakabayashi H: 2820
Nakabayashi M: 3450
Nakagawa A: 4359
Nakagawa K: 2218, 2821
Nakagawa M: 4039
Nakagawa T: 2831
Nakago K: 2746
Nakai R: 2949
Nakai T: 2822
Nakajima I: 2112
Nakajima M: 2922
Nakajima N: 2113
Nakajima Y: 1063, 3855
Nakamura C: 2848
Nakamura K: 2823
Nakamura M: 2813, 2824
Nakamura R: 3405, 3444–3445
Nakamura RM: 1888
Nakamura T: 2809, 2825
Nakamura Y: 2826–2827
Nakane T: 2229–2230
Nakanishi S: 2824
Nakanishi T: 2828
Nakano S: 2143
Nakao K: 2829, 2907
Nakao T: 2830
Nakashima K: 1570
Nakata N: 4039
Nakata Y: 112
Nakayama K: 2831
Nakayama M: 2698
Nakazaki T: 2832
Namba M: 1776
Namkung MJ: 1909
Nandi S: 2833
Nanjundiah V: 2512
Nanni P: 3025
Nanya H: 1262
Naor Z: 2943
Narębski M: 2834
Narita H: 4356
Narkar AA: 1858
Narkiewicz O: 1917
Narumi S: 2835
Nash AS: 2836
Nassim JR: 739
Nasu S: 2837
Nathanson MA: 2838
Natoli G: 2839
Natsuki R: 2840
Naudé RJ: 2356
Nauman A: 608
Nauman J: 608, 2892
Nauta WT: 926
Navia JM: 1550
Navrátil S: 2841–2842
Nayler WG: 1015, 2843–2844
Naylor KE: 1899
Naylor PH: 2845
Nazian SJ: 2846
N'Diaye-Buisson F: 1418
N'Doye R: 3937
Neamţu C: 2847
Neary JT: 2848
Neaves WB: 217
Neborak IuT: 3950
Necek S: 2069
Nechifor M: 2847, 3165, 3346
Nechifor Mungiu OC: 2849
Necić S: 2850
Nedelman CI: 2851
Needleman P: 1797, 2298
Neef L: 517
Néel JL: 2852
Neely WA: 98
Neer EJ: 2853
Neer RM: 3263
Negro-Vilar A: 1295
Neidhardt B: 1558
Neiger M: 2854
Neĭmark II: 2855
Nekrasova IV: 2117
Nelken RP: 2856
Nell JH: 3679–3680, 3680
Nelms C: 3651
Nelson DM: 2857
Nelson JA: 2858
Nelson JC: 2859
Nelson P: 2472
Nelson PG: 674
Nemeroff CB: 2860
Nemes T: 3802
Németh S: 2861–2862
Nemoto T: 2222, 2863
Neradilová M: 2864
Neretin VIa: 2865
Neri G: 2866, 2925
Nery M: 2328
Nesbitt GS: 2487
Nespoli F: 947
Nesterenko VP: 4373
Nesterov LN: 2867
Nesterova AA: 2868
Netter A: 2869
Netto A: 3920
Neubert D: 2870
Neugarten J: 1548
Neukirch P: 3700
Neuman MW: 224, 474
Neuman WF: 224, 474
Neumann GK: 3785
Neumayr VA: 2871
Neumeier D: 3186
Neuschl J: 2872
Neville AM: 2940
Nevin NC: 61
Newbold RP: 2873
Newcomb M: 2874
Newcomb R: 2875
Newell PC: 2783
Newell-Morris L: 2876
Newlands IM: 1832
Newmark P: 2877
Ng B: 1592
Ng T: 3896
Ng TB: 2878
Ng TK: 2974
Ngai HK: 145

Ngan P: 3334
Nicák A: 2872
Niccolai N: 233
Nicholas TE: 2879
Nicholls AC: 3166
Nicholls TJ: 3781
Nichols DE: 2880
Nicholson G: 2049
Nicholson RI: 2881
Nicholson TC: 2450
Nicholson WE: 3871–3872, 3872
Nickerson PA: 2882
Nickol JM: 2883
Nicol CJ: 352
Nicolaïdis S: 2884
Nicolaou JC: 3692
Nicolaou KC: 67
Nicolini E: 3434
Nicolis G: 1926
Nicopoulos A: 1400
Nidy EG: 3642
Nieburg PI: 2856
Niedermeyer E: 2885
Nief L: 2886
Niegowska J: 2887
Nielsen HE: 1532
Nielsen I: 1638–1639, 2888
Nielsen J: 2889
Nielsen NV: 2890
Nieminen MS: 1596
Nienstedt W: 1556
Nies AS: 1336
Nieschlag E: 4230
Nieszporek T: 2891
Niewiadomski M: 2892
Nightingale MS: 48
Nigro N: 1346
Nihei R: 2893, 4152
Niizuma H: 2995
Nijhout MM: 2554
Nikić S: 1908
Nikitin VN: 2894
Nikitina RG: 2515, 2895
Nikol'skaia MG: 1933
Nikulin AA: 2896
Nikushkin EV: 2054
Niles RM: 2510
Nilprabhassorn P: 4031
Nilsson CG: 2897
Nilsson O: 2390
Nilsson T: 2348
Nilvarangkur S: 2308
Nimalasuriya A: 880
Nineham LJ: 3175
Nir I: 2898
Nirenberg M: 674, 2472
Nishida Y: 2809
Nishido T: 2700
Nishikawa A: 1260
Nishikawa G: 2899
Nishikawa K: 3962
Nishikawa M: 2832
Nishikawa Y: 1814
Nishimoto M: 52
Nishimura T: 1949
Nishina R: 2900
Nishioka T: 2221
Nishitani Y: 4344
Nisselbaum JS: 2027
Nissen E: 2732
Nitwiadomska A: 3201
Nitz D: 1698
Niwano S: 2037
Njå A: 2901
Nkrumah KN: 22
Nobile RG: 2902
Noble RL: 491
Nocenti MR: 2234
Nock B: 2903
Nock BL: 797
Nodel'son SE: 3950
Noe HN: 2904
Noel EP: 2709
Nogami H: 4039
Noguchi T: 1989
Nogueira O: 2328
Nolan CM: 2905
Nolte D: 2906
Nolte J: 1052, 4407
Nolten WE: 2387
Noltenius H: 1350
Noma K: 2829, 2907–2908
Nomura A: 2909
Nomura J: 2910
Nomura Y: 1792
Noon JP: 2911
Nordenskjold B: 4211
Nordmann JJ: 2753
Nørgaard-Pedersen B: 2912
Norgren R: 1451, 3113
Norman A: 570
Norman AW: 719, 735, 1620
Norman RL: 507
Noro T: 3905
Norrby K: 3681
Norris DA: 2913
Northcutt C: 3011
Norton T: 1731
Notarbartolo A: 3466
Notelovitz M: 2914–2915
Noth RH: 3868
Nothdurft H: 2916
Notting JG: 3141
Nouet JC: 2917
Novac E: 988
Novales RR: 2918
Novikov LL: 3198
Novikova NP: 4373
Novitskiĭ VA: 3110
Nowell NW: 699
Nowicka H: 2919
Nowroozi K: 637
Nozaki K: 2920
Nozawa Y: 3615
Nugteren DH: 2921
Numa S: 2824
Numano F: 2922
Nummi S: 2923
Nunez EA: 2924
Nunez J: 902
Nusbacher J: 3754
Nussberger J: 1273
Nussdorfer GG: 2866, 2925
Nutt RF: 4077
Nuttall FQ: 1352
Nvota J: 1916
Nyberg K: 951
Nye L: 2926
Nygren KG: 1883
Nyhan WL: 2621

O

Oakley RE: 3568
Oancea C: 3185
Oates JA: 2934
Oats JJ: 3145
Obenberger J: 2927
Oberiter V: 2424
Oberleithner H: 1446
Oberti C: 1250, 2928
Oberwittler W: 1712
O'Brien BM: 1577
O'Brien CP: 3091
O'Brien M: 2544
O'Brien P: 3866
Ocetkiewicz A: 1469–1470
Ochi H: 2741
Ochoa S: 844
Ochs HG: 2929, 3149
O'Connor DM: 679
O'Connor JA: 1400
O'Connor MK: 2930
Odajima H: 2221
Odders RN: 1046
Odell WD: 1589
Odintsova TA: 4118
O'Donnell FE Jr: 2931
O'Donohue TL: 796
O'Dorisio TM: 2932
Oe T: 2565
Oei T: 1890
Oelkers W: 2933
Oelofsen W: 2356
Oelz O: 2934
Oelz R: 2934
Oettel M: 1392, 1865
O'Farrell P: 2935
Offermann G: 2936
Ogata E: 1810, 3844
Ogata K: 4228
Ogata N: 2809
Ogilvie DM: 1248
Ogilvie R: 3218
Ogino M: 3450
Ogino T: 2937
Ogletree ML: 3692
Ogren SO: 1276, 2384
Ogura H: 1778, 1977
Oguro C: 2938
Oguro M: 3843
Oguro T: 3405
Oh HK: 3960
Oh SJ: 435, 2939
Oh TE: 2491
Ohara T: 2821
O'Hare MJ: 2940
Ohata M: 1252, 2994
Ohbuchi M: 2695
Ohga Y: 3530
Ohi T: 2995
Ohkuma H: 4035
Ohman A: 2388
Ohmori F: 3836
Ohnishi T: 367
Ohno S: 318, 691, 2941
Ohno T: 3026
Ohtsuka S: 3860
Ohuchi K: 2942
Ohuchi R: 4359
Oikawa Y: 2823
Oishi M: 2832
Ojeda FG: 601
Ojeda SR: 2943
Ojima M: 2944–2945, 4332–4333
Oka M: 3445
Okabayashi H: 2946
Okabe Y: 3620
Okada C: 1923, 2230
Okada T: 4152
Okada Y: 2947
Okamiya Y: 1989
Okamoto T: 3428
Okamoto Y: 2948
Okano K: 2949
Okano T: 2950
Okano Y: 3615
Okazaki A: 2947
Okazaki K: 1792
Okech MO: 2951
O'Keeffe DH: 1036
Okrasa S: 2952
Oksa P: 33
Oksche A: 2953, 4352
Okuda K: 2954
Okuda M: 2700
Okudaira Y: 2995
Okumura H: 2955–2956
Okuni Y: 2957
Okunishi H: 2701
Okuno R: 2113
Okuno T: 1063, 1256, 1767, 2112, 3850, 3855
Okuyama A: 2704
Okuyama S: 2958
Old LJ: 1786
Oldani C: 2341
Oldham JD: 2959
Olds RJ: 1665
O'Leary JA: 958
Olędzka R: 1310
Oleĭnikov PN: 1125
Olgaard K: 2496, 2960
Olianas MC: 2961
Olioff M: 2962
Oliphant LW: 1193
Olive G: 612
Oliver C: 2963, 4076, 4153
Oliver JE: 1154
Oliver JS: 3826
Olivereau M: 1924, 2964–2965
Oliveros R: 3316
Oliw E: 857
Olsen GD: 229
Olsen NJ: 2966
Olson JA: 3651
Olweny CL: 3601
Omae T: 2967
O'Malley AF: 3928
Omar AM: 2968

Omdahl JL: 2969
Omenn GS: 3694
Omran RG: 931
Onderka DK: 2970
Ondrejička M: 2971
O'Neill IE: 2972
O'Neill JA Jr: 1608
O'Neill MT: 4298
Onesti G: 278, 1139
Ong DE: 2973
Ong HC: 2974
Ong SH: 2098
Onishi T: 2947, 2975
Ontjes DA: 3973
Oommen A: 2976
Oparil S: 2387
Opie LH: 462, 2429
Opipari MI: 2435
Oppenheimer JH: 2626, 2977–2978
Opshaug O: 42
O'Reilly RA: 2979
Orekhovich VN: 2980
Orel VZ: 201
Oreopoulos DG: 3218
Orgiazzi J: 1198, 2791, 2981
Orimo H: 1989
Orinda DA: 2951
O'Riordan JL: 712
Orlandi C: 412
Orlandi M: 3961
Orloff S: 2779
Orlov SN: 2982
Orłowska-Majdak M: 2983
Orlowski WA: 432
Ormantaev KS: 2984
Orner F: 2534
O'Rourke M: 2985
Orrego F: 3429
Orrego H: 2986
Orsini MW: 4157
Ortez RA: 2987
Orth DN: 2988, 3871–3872
Orts A: 2989
Osada H: 2665
Osanai H: 1032–1035
Osawa Y: 279, 4331
Osborn TW: 735
Osborne CA: 1828
Osburn B: 1689
Osei-Gyimah P: 3131
Osgood CP: 1009
Oshchepkov AB: 3061
O'Shea M: 1094
Oshima K: 1263
Osmond DH: 3881
Osnes JB: 2990
Osnes S: 317
Osorio C: 565
Ossenkopp KP: 3427
Osteen RT: 2991
Ostertag C: 2992
Ostrowska A: 665
Ostwald R: 3978
Oswald I: 2993
Osztovics M: 3880
Ota K: 1252, 2994
Ota T: 1262
Otabe K: 2995
Otero C: 447
Otsuka Y: 650
Otten U: 1370
Ottiker-Oehler M: 2996
Ottone P: 2574
Ouchi M: 2997
Oudega B: 2998
Outerbridge EW: 2999
Oviedo MA: 3825
Owczarczyk I: 4392
Owen J: 3556
Owens DW: 1340, 3000
Oya E: 2696
Oyama T: 3874, 4351
Oyarzun MJ: 3001
Oye I: 2990
Ozaki O: 3002
Ozasa T: 2746
Ozawa H: 4003–4004
Ozawa Y: 3405

P

Pabst HW: 1698, 2002
Pachalia NA: 1391–1392
Paches AI: 3003
Pacifico E: 3544
Pack BA: 480
Packer RM 3d: 2408
Pacovský V: 3108
Padeh B: 3801
Padmanabhan V: 3004
Padonou N: 3937
Padykula HA: 700
Pagano G: 3005
Page RC: 3006
Pages L: 1802
Pagliaini R: 1475, 3089
Pagliardini S: 561
Pahissa A: 2557
Pahn J: 3007
Paillard M: 3008
Pain RW: 3128
Pajor WJ: 3009
Pajot J: 3010
Pak CY: 3011
Pakes SP: 917
Pakrashi A: 3012
Palacios G: 3013
Paladini G: 3434
Palamar' KS: 1180
Palay SL: 625
Palem-Vliers M: 3014
Paleveda WJ: 4077
Palkovits M: 3015
Pallardo Sánchez LF: 44, 3016
Pallardy G: 648
Palliez TM: 3402
Palmer AK: 3017
Palmer BV: 3018
Palmer DS: 1230
Palmer FJ: 3019
Palmer GC: 776
Palmer JM: 3591
Palmer RF: 399, 3770
Palmer SJ: 776
Palmieri B: 3020
Palmieri GM: 3583
Palmiter RD: 2299, 3021
Palti Z: 2680
Palva A: 1965
Pamfamirov IuK: 3022
Panalaks T: 3542
Panatampon P: 107
Panczenko B: 901
Pandey KK: 3932
Pandolfi M: 2272
Pandya SK: 4050–4051
Panek-Mikuła J: 3023
Panerai AE: 2412
Panko WB: 3024, 4244
Pankov EIa: 2130
Pankratz E: 428
Pannain R: 574
Pannall PR: 929
Pannuti F: 3025
Pant GC: 1561
Pantić V: 2882
Panyim S: 3026
Paoletti F: 3044
Paolucci R: 3027
Papatestas AE: 2126
Papež L: 1517
Papierkowski A: 3028
Papoz L: 629
Papper S: 3029
Paquin L: 3213
Paracchi A: 1101
Parce JW: 3030
Pardi G: 3031
Pareira J: 3399
Parenti M: 942
Parish LC: 3032
Park CS: 3033
Parke DV: 3034
Parker AC: 4264
Parker CR Jr: 4153
Parker CW: 3035
Parker GA: 2322
Parker MG: 3036–3037
Parkes CO: 3038
Parmley T: 4299
Parodi MP: 3039
Parons JA: 618
Parra A: 768
Parrott TS: 4296
Parry C: 3254
Parsons JA: 3040, 3263
Parth K: 3151
Parthemore JG: 882
Partridge MR: 3041
Parving A: 76
Parvizi N: 3042
Pasley JN: 3043
Pasqualucci V: 3044
Pasquier R: 646
Passalaqua A: 3718
Passelecq J: 4091
Passeri M: 3045
Passi P: 828
Pastan I: 4143–4144, 4144
Pasteur X: 2287
Pastushok CA: 3261
Pásztor E: 3046
Paterson CR: 3047–3048, 3048
Paterson JW: 2491
Paterson ME: 3797
Paterson RC: 3049
Pathak IC: 2204
Pathre SV: 2687
Patil TN: 3050
Patnaik SK: 3051
Patois E: 1210
Paton DM: 168, 3285
Patsko IaV: 4405
Patten BM: 3364
Patterson DS: 3052
Patterson TH: 2904
Pattinian HR: 2806
Pauerstein CJ: 128
Paul A: 4225
Paul C: 361
Paul-Gardais A: 3132
Paulin C: 3053
Paulke E: 3054
Paull WK: 3055
Paunier L: 3056
Pavel S: 3057
Pavelić K: 3058
Pavelka K: 3059
Pavelkovskaia LG: 2663
Paver WK: 3060
Pavesio D: 1346
Pavlenko TK: 510
Pavlenko-Mikhaĭlov IuN: 3061
Pavlinac D: 882
Pavlova ES: 1404
Pavlovsky S: 601
Pawelski S: 2115
Pawlikowski M: 3062
Pawlowitzki IH: 2038
Paxinos G: 1062, 2544
Pay N: 2170
Paydar M: 3895
Payne AH: 4401
Payne JM: 2463
Paz MP: 3959
Pazoles CJ: 3063, 3158
Pazonyi I: 813
Peach MJ: 2670–2671
Peake RL: 1697
Pearce FL: 975, 3064
Pearl RM: 3065
Pearson D: 3066, 3585
Pearson J: 3544
Pearson OH: 3067
Peart WS: 3068
Pechet L: 3069
Peck EJ Jr: 1074
Peck GL: 495
Peck WA: 3070
Peckauskas RA: 3071
Pecker J: 3469
Pecking A: 2819
Pedersen CB: 2805
Pedersen F: 1903
Pedersen H: 1283, 3990
Pedley TA: 2265, 3072
Pedrón N: 3073
Pedroza E: 113, 4096

Peelen JG: 3271
Peet M: 1631
Pegel' VA: 3074
Pegoraro V: 3075
Pegova LN: 2865
Pehlemann FW: 3076
Peirce EC 2d: 2008
Pejšková I: 1951
Pekary AE: 3077
Pęksa A: 3767
Pelander WM: 3078
Pelayo F: 3079
Pelc B: 3080
Peleg D: 1380
Pelkonen R: 1405, 1740, 3081
Pellegrini A: 2568
Pelletier JL: 1479
Pellissier JF: 414
Pelz L: 3431
Pencea V: 4381
Penchansky L: 601
Pendery GB: 2466
Peng TC: 3973
Penide JF: 2293
Pennelli N: 4052
Penniston JT: 1854
Penny RJ: 3082–3083
Pentchev PG: 1270, 3084
Pepe GJ: 3085
Pepeljnjak S: 192
Pependieck C: 601
Pereskokova IG: 3086
Pérez A: 3144
Perez RJ: 3087
Pérez Alvarez M: 3016
Peréz-Infante V: 1851
Pérez-Palacios G: 572
Perheentupa J: 2324
Peris C: 43, 561
Perkins JP: 3088
Perlman RL: 616
Perloff M: 1315
Pernollet MG: 928
Peroni A: 3089
Perrett LV: 395
Perrot D: 1003
Perrotta AL: 2435
Perry H: 4299
Perry KW: 709
Perry M: 3090
Persaud TV: 2005
Persigehl M: 3149
Persijn JP: 1233
Persky H: 3091
Persson L: 1619
Persson U: 672
Perumal AS: 2100
Peschel HG: 2056
Peschle C: 3092–3093
Peskar BA: 4177
Peskar BM: 3094
Peskin GW: 2416
Petasnick JP: 4282
Petek M: 2424
Péter F: 3095
Peter J: 3096
Peter S: 3097
Peterkofsky A: 3098
Peters DA: 3882
Peters F: 449, 3099
Peters FD: 943
Peters HJ: 312
Peters P: 3011
Peters PW: 3100
Petersen AH: 1078
Petersen C: 3101
Petersen LP: 3102
Petersen M: 3103
Petersen VB: 3104
Peterson JA: 1036
Petit H: 2595
Petitclerc C: 2790
Petitti DB: 431
Petkov V: 3105
Petkova I: 3106
Petkova M: 1782
Petrakis NL: 3107
Petrášek J: 3108
Petrik VD: 2895
Petrilák J: 3109
Petrov NS: 3110
Petrucci JA: 2284
Petryszak B: 336
Pettene-Bottoni A: 412
Pettersson H: 3913
Pettibone DJ: 3467
Pettinger WA: 3111
Petzoldt R: 3112
Petzow G: 3750
Peyer P: 2788
Peyrin L: 824
Pezella PD: 420
Pezzolla F: 1081
Pfaff DW: 2141, 2173
Pfaffmann C: 3113–3114
Pfahl M: 3115–3116
Pfannenstiel: 3117
Pfeffer RI: 3118
Pfeiffer DR: 3119
Pfeiffer RA: 3531
Pfeiffer SE: 3120
Pfeuffer T: 593
Pflueger AB: 715
Phadke AM: 3121
Phares CK: 3122–3123
Pharriss BB: 1733
Phatharakulwanich S: 3914
Phernetton TM: 3124
Phil D: 3556
Philippe E: 4250
Phillips AC: 2845
Phillips AG: 3125
Phillips BJ: 3948
Phillips JG: 3126
Phillips MI: 2524, 3127, 4266
Phillips MJ: 2986
Phillips PJ: 3128
Phillips RW: 136–137, 3129
Phillips-Quagliata JM: 4194
Philpot RM: 2782
Phipps RJ: 3291
Phoneix CH: 3130
Piacsek BE: 2846
Piana E: 3025
Piascik MT: 3131
Picard J: 3132
Piccinini F: 4097
Pickardt CR: 3133–3134
Pickel VM: 3135
Pickens FM: 3136
Picon L: 3137
Picotti GB: 368
Piekut DT: 3138
Piel CF: 3328
Pierce JG: 365, 1361
Pieroni RR: 10, 133
Pierpaoli W: 3139
Pierrepoint CG: 1089
Pierson DJ: 3658
Pierson KK: 571
Pieters GF: 1671
Pietruszewska I: 2587
Piette JC: 2310
Pilkington TR: 737
Pilkis J: 3140
Pilkis SJ: 3140
Pillez A: 3981
Pilloud P: 3056
Pimstone BL: 3590
Pinchera A: 1136
Pinckers A: 3141
Piñeyro MA: 1981
Pinl F: 333
Pino DD: 3365
Pinot JJ: 3142
Pinsky L: 3143
Pinsky SM: 3390–3391
Pinto H: 3144
Pion R: 1458
Pipkin FB: 3145
Piquet V: 3146
Piro MA: 2710
Pirogov AI: 2438
Piroska E: 1181
Piruzian LA: 131
Pisano JJ: 4104
Pisu E: 3005
Pitot HC: 2654
Piver MS: 3147
Pivnitskiĭ KK: 1111
Pizarro MA: 3148
Pizer LI: 1807
Pizzella F: 3092
Plamieniak Z: 3829
Planz G: 3149
Planz R: 3149
Platania A: 2288
Plezia RA: 986, 1227
Pliška V: 2279, 3150
Ploier R: 3151
Plouin PF: 55
Pobee JO: 22
Poblete M: 3152
Poblete-Freundt G: 3064
Pöch G: 2194
Pochi PE: 3772
Pocius PA: 253
Pockrandt H: 2732
Podesta EJ: 3153
Podleski WK: 3154
Podol'skaia OV: 256
Podvigina TT: 3155
Podzuweit T: 2429
Pogadaev VI: 3156
Pohlit H: 4119
Pohlová I: 1962
Polak JM: 3157
Polevoĭ VV: 4106
Poliak AI: 3379
Polimeni T: 3336
Polisky B: 2935
Pollard HB: 3063, 3158, 4398
Pollard I: 3159
Pollard TD: 3160
Poller L: 3161
Polmar SH: 3532
Pommerenke G: 1747
Pommier J: 902
Poncet C: 3353
Ponchietti R: 2332
Ponec J: 3162
Ponomareva VL: 529
Pons M: 2657–2658, 3163
Ponsold K: 1392, 1865
Pontani RB: 2690
Ponticelli C: 439
Poole-Wilson PA: 3164
Poolsanguan W: 3126
Popa G: 3165
Pope FM: 3166
Popenenkova ZA: 3167
Popiela T: 3827
Popolow HB: 4020
Popov DK: 3631
Popova GN: 1359
Popp W: 2060
Poprykina IaM: 2404
Porcellati G: 3168
Porte A: 1390
Porter J: 1879
Porter JC: 217, 2963, 4153
Porter KA: 3749
Porter ME: 3160
Porter RH: 952
Portlock CS: 2174, 3171
Portnoi MF: 3839
Portugalov SN: 3169
Porush JG: 1178
Porzig H: 3170
Porzig KJ: 3171
Posner AS: 410
Posner BI: 302
Posner JB: 1351
Pösö H: 1846
Possenti B: 3322
Post WD: 3172
Postma PW: 4081
Pott JM: 854
Potter JD: 1027, 1886
Potter M: 2580
Potts GO: 3483
Potts JT Jr: 1507–1508, 3263, 3555
Poulain DA: 4135
Poulakos JJ: 1834
Poulet P: 707
Pouliadis GP: 3173
Poulos CX: 2292
Poulose KP: 3174
Poulsen H: 375
Poulton TA: 3175

Poupon R: 837
Pourcho RG: 3176
Pover GG: 4072
Povey MS: 288
Povey PM: 3177
Powell D: 2763
Powell EW: 3043
Powell RD: 1506
Powell WS: 3178
Pozderac RV: 594
Pozdnev VF: 2980
Pozina IM: 2663
Poznański J: 3179
Prader A: 3180
Prager-Lewin R: 935
Prajapat DK: 371
Prakash AO: 3181
Prakash B: 3182
Prampolini P: 695, 3554
Prasad GC: 1561
Prasad KN: 3183
Prasad MR: 122, 408
Prat JC: 2042
Pratt JJ: 3184
Pratt OE: 831
Predescu V: 3185
Preedy JR: 2804, 4305–4306
Preeyasombat C: 666
Prellwitz W: 3186
Prentice AM: 4225
Preobrazhenskiĭ ON: 3187
Prescher EE: 3791
Presl J: 3188–3192, 3189–3192
Preston C: 392–393
Prestwich G: 1899
Prévôt H: 3510
Prewitt LR: 747
Pribram KH: 3193
Pribylincová V: 3279
Price DA: 1653
Price NR: 3194
Price WH: 3195
Prichard BN: 3196
Prieto Villapun JC: 3197
Principe A: 1472
Pristautz H: 333
Pritzker KP: 3989
Privitera G: 200
Prochorow M: 3394
Projan A: 2732
Prokhonchukov AA: 3198
Prokić Lj: 3734
Prokudina EA: 1000
Pronina NN: 3972
Propp RM: 3003
Prorok JJ: 2591
Prószyńska K: 3199
Prout GR Jr: 2064
Proye C: 3200
Prozorovskaia MP: 2336
Prugnaud J: 1458
Pschera H: 346
Psikuta W: 3201
Puah CM: 3202
Puche RC: 1146
Puglisi TA: 3203
Pugnoli C: 2498
Puigvert A: 3204
Pujol A: 3205
Pujol JF: 3206
Puliyel MM: 3207
Pullen J: 3994
Pullman I: 3071
Punnonen R: 3208–3209
Pupek-Musialik D: 3210
Puppo F: 1790
Purcaro A: 3211
Puri CP: 1838
Puri S: 1135
Puri VN: 3212
Purohit RC: 1904
Purtilo DT: 3213
Purves D: 2901
Purves LR: 3214
Puschett JB: 3215
Putnam CW: 3749
Puukka M: 2048
Puukka R: 3216
Puutula L: 1278
Puvion E: 3217
Puvion-Eutilleul F: 3217
Pylypchuk G: 3218

Q

Quade JP: 1910
Quattrone A: 3219, 3422
Quénum C: 3937
Quest JA: 1357
Quintana J: 1198, 2981
Quirk JM: 2227
Quock RM: 2250

R

Rabadán FP: 3220
Rabello Y: 1428
Raben M: 3290
Rabin BM: 3221
Rabin BR: 1153
Rabin BS: 1697
Rabinovitch A: 3222
Rabinowitz D: 3223
Rabkin R: 2750
Rabsilber S: 1228
Racadot A: 4340
Racker E: 4397
Raczyńska B: 3224
Rådberg C: 306
Radbil' OS: 3225
Radfar N: 4104
Radford HM: 3459–3460
Radhakrishnamurty R: 3050
Radó JP: 3226
Radwin HM: 3584
Rafestin-Oblin ME: 696, 770
Raff MC: 3227
Rafferty B: 3040
Ragab AH: 790
Ragnhult I: 3949
Rahamimoff H: 3228
Rahim SA: 1655
Rahman SA: 1838, 1877
Rahmsdorf HJ: 3229
Rahn KH: 3230
Raikar RS: 4050
Raina A: 1846
Raisman R: 895
Raisz LG: 1691, 3231
Raitta C: 3081
Raj CR: 3232
Rajalakshmi M: 408
Rajapaksa CN: 880
Rajfer J: 3233
Rajpal RM: 2013
Raju BS: 3234
Rakhinskaia MN: 3457
Rakoff AF: 637
Rall HE: 3235
Ralph CL: 1340, 3000
Ralph R: 2642
Ram MD: 3701
Ramage R: 3236
Ramcharan S: 431
Ramdeo IN: 1904
Ramer SJ: 3462
Ramos A: 3237
Ramos OL: 1328
Ramp WK: 3973
Rampacek GB: 3203
Rampini P: 1143
Rampini S: 3238
Ramsay ID: 1892
Ramsey E: 1861–1862
Ramsey J: 427
Ramu A: 3158
Ramwell PW: 783
Rance T: 3239
Randall O: 1080
Randall RV: 2012
Rangsiyanond P: 3914
Rankin JH: 3124
Ranney B: 3240–3241
Ranney DF: 3757
Rao MS: 3234
Rao PG: 3242
Rao PL: 3242
Rao PN: 1611, 2224
Raphael JC: 3243
Rapola J: 4145
Rapoport SI: 3084
Rappaport IA: 3093
Raquel Ordóñez B: 3244
Rasenack U: 3245
Rashedi M: 1001
Raskin N: 3246
Raskuratov IuV: 4404
Rasmussen H: 3737
Rasmussen P: 2052
Ratcliffe JG: 526, 779
Ratcliffe WA: 779, 4347
Rateau JG: 3247
Ratnam SS: 3248
Rattazzi P: 3473
Ratter SJ: 1860
Rattner BA: 3249
Raulais D: 1912
Rauramo L: 3209
Raval G: 2309, 3512
Raveché ES: 3250, 3757
Ravry MJ: 92
Rawson JM: 3561
Ray M: 2107
Ray S: 72
Rayburn P: 4068
Raymond V: 3251, 3481
Raynaud JP: 2326
Raynolds WL: 2033
Raz A: 1797, 3252
Raz S: 2639
Razdan AK: 4289
Razek AA: 679
Réach G: 3253–3254
Reaven E: 3255
Recant L: 324
Rechowicz K: 2115
Rechtsteiner D: 1622
Recondo J: 3256
Record CO: 437
Reda G: 2288
Redaelli C: 1409
Reddemann H: 3257
Reddi AS: 3258
Redding TW: 3481
Reddy YS: 4312
Redin VA: 3259
Redlich B: 3794
Reed AW: 1633
Reed GH: 3260
Reed JC: 3679–3680, 3680
Reed PW: 2934
Reek C: 518
Reel JR: 3261
Rees LH: 1859–1860, 3262
Reeve J: 3263
Reeves JP: 3757
Refsum H: 2990
Regard E: 3264
Rege N: 4048
Rege NR: 4051
Rehfeld SJ: 702
Reid GC: 2439
Reid IA: 1298
Reilly K: 338
Reilly MA: 3490
Reimers TJ: 3265
Reinberg A: 1483, 3266
Reiner J: 1045
Reiner L: 3712
Reinertsen JL: 3757, 4253
Reinhardt G: 303
Reinhardt HW: 2190
Reinhardt I: 2334
Reinhardt W: 4179
Reinke LA: 3267
Reinoso-Suarez F: 157
Reinwein D: 970, 3268
Reis DJ: 3135
Reiss E: 569–570
Reit BW: 2759
Reiter RJ: 3269–3270
Reitsma PH: 335
Rejda BV: 3271
Rekhtman BE: 3442
Relkin R: 3272
Remenár L: 3046
Remotti G: 923
Renais J: 1512

Renaud B: 3206
Renault P: 2310
Rencis V: 2600
Renfro JL: 3273
Rennels EG: 1623
Rennie P: 492
Rennie PS: 491
Renold AE: 3222
Renton WB: 3195
Renyi AL: 2384
Repellin AM: 1308
Repetto G: 3144
Reschini E: 3274–3275
Reske SN: 2169
Resko JA: 507
Reubi F: 3276
Reuse J: 1186
Reuter A: 1211
Revel A: 835
Revenko TA: 3277
Revert L: 146–147
Reville P: 3503, 3761
Revis N: 3278
Revúsová V: 3279
Rewcastle NB: 2138
Reybrouck TM: 2372
Reyes A: 3280
Reyes FI: 403
Reyes H: 3281
Reyes MG: 662
Reynolds DW: 2079
Reynolds FC: 4228
Reynolds JJ: 3563
Reynolds RW: 1996
Reynolds WA: 3282
Rezek DL: 3283
Rezníček J: 3279
Reznikov AG: 3284
Rhamy RK: 455
Rheaume DE: 3285
Rhen K: 1935
Rhodes RH: 3286
Rhyner K: 3786
Riabukha NA: 1393
Ribalta J: 3281
Ribot C: 2310
Riccabona G: 247
Riccardi VM: 3287
Ricci G: 644
Ricciardi I: 3736
Rice KC: 1773
Rice PJ: 2911
Rice RW: 3288
Riceberg LJ: 3289
Rich A: 1507–1508
Rich NM: 1473
Richard CW 3d: 4166
Richards F Jr: 3290
Richards G: 1167
Richards JG: 2366, 2420
Richards JR: 810
Richardson JA: 1656
Richardson M: 436
Richardson PS: 3291
Richart RM: 1135
Richelson E: 3292–3293
Richens A: 3741
Richetta R: 561
Richie JP: 2450
Richman RA: 2856
Richter D: 449, 3099
Richter EA: 1290
Richter HA: 2300
Richter HJ: 970
Richtmann L: 496
Ricken JA: 2806
Rickwood D: 2071
Ridge D: 1153
Ridgway EC: 752
Ridgway SH: 2514
Ridley JL: 1554
Riebman JB: 338
Riedel J: 2190
Rieger CH: 3350
Riegger AJ: 2758
Riehm H: 2786
Riemann HP: 3294
Rietschel ET: 4177
Rifkind AB: 3295, 3399
Rigaudière N: 3296
Riggs BL: 3297
Riishede J: 2912
Riley CJ: 854
Riley JW: 1355
Rimbau V: 1302
Rimsten A: 15
Rinaldi A: 3298
Ring EF: 1083
Ring J: 3301, 3739
Ring-Larsen H: 1638–1639
Ringe JD: 3299
Ringold GM: 3300–3301
Ringvold A: 3302
Rinne UK: 1760
Rinneberg J: 3303
Rinner I: 2194
Rino W: 3894
Rist N: 727
Ristow S: 819
Ritter C: 2785
Ritzi DM: 475
Ritzmann RF: 3835
Rivera F: 147
Rivers JP: 186
Riviere J: 3318
Rizzoli R: 392
Roach PJ: 2277
Robba C: 2925
Robbins JH: 495
Robbs JV: 3304
Robel A: 661
Roberge AG: 3305
Roberson GH: 1731
Roberts A: 3306
Roberts BA: 3052
Roberts GS: 1162
Roberts LJ: 2934
Roberts MB: 626
Roberts PJ: 858
Roberts R: 1165
Roberts SJ: 3317
Robertson A: 3171
Robertson JI: 1147
Robertson JK: 409
Robertson JS: 1413
Robin M: 1836
Robineaux R: 95
Robinson CH: 2467
Robinson CJ: 2759
Robinson E: 1245
Robinson G: 435
Robinson HM: 3307
Robinson J: 1520
Robinson RD: 584
Robinson SA: 177
Robison GA: 713, 2987
Roca-Garcia C: 601
Roccella P: 2573
Rocco A: 1103
Roche JM: 1129
Rochefort H: 4090
Rochet Y: 3308
Rochman H: 3309
Rodgers CH: 3310
Rodgers GM: 1332
Rodkina RA: 3311
Rodman JS: 3312
Rodrigues LM: 1615
Rodrigues MM: 3724
Rodríguez JA: 3313
Rodríguez-Argüelles J: 3314
Rodriguez-Echandia E: 157
Rodríguez Ineba A: 387
Rodriguez-Sierra JF: 3315
Rodriguez-Soriano J: 3316
Roels H: 503
Roesdahl K: 1221
Roeser HP: 3317
Roffi J: 759
Roger P: 3318
Rogers RS 3d: 3319
Roh SK: 3390
Rohde W: 1730
Rohožková D: 3320
Rohrer DC: 996
Rollet J: 3321
Rollo D: 702
Romagnoli G: 3322
Romanchishen AF: 3323
Romand-Monier M: 3433
Romanovskaia MG: 3167
Rombauts W: 417
Romeo L: 3324
Romero MA: 163
Romero SA: 578
Romero Burgos R: 896
Romeu A: 540
Rommel W: 3325
Romussi M: 1143
Roncuzzi R: 606
Ronin C: 3326
Ronquist G: 2390, 3327
Roodnat B: 4054
Roof BS: 3328
Roos BA: 882
Roosen-Runge EC: 3329
Roper MD: 4232
Rorat E: 290
Rorive G: 3330
Rosado A: 3280
Rosato EF: 309
Rose DP: 1138
Rose NR: 1082, 1853
Rosecrans JA: 1887
Roselius R: 2769
Rosen IB: 3331
Rosen JF: 3332
Rosenberg H: 1348, 3267
Rosenberg SA: 2174, 3171
Rosenblatt M: 1508, 3555
Rosenbloom AA: 2138
Rosenfeld MG: 1091
Rosenfield RL: 4289
Rosengren E: 1619, 3654
Rosenhack S: 2640
Rosenmann A: 1259
Rosenthal DS: 1704
Rosenthal FD: 3333
Rosenthal IM: 4190
Roses AD: 4291
Roshke VV: 2643
Rosin AJ: 4183
Roskoski R Jr: 3334
Rosmanich A: 3335
Rosner D: 2863
Rosner F: 1468
Rosner JM: 167
Rosner W: 3336
Rosoff CB: 811
Rosove MH: 3337
Ross A: 3697
Ross EM: 3338
Ross GT: 3339
Ross J Jr: 2602
Ross RW Jr: 4257
Ross SA: 1715
Ross SB: 2384
Rossant L: 3340
Rosselin G: 1017, 2239, 3441
Rosser WR: 1510
Rossetti MG: 43
Rossi A: 1081, 3341
Rossi C: 233
Rossier A: 611–612
Rossier J: 362, 3342
Rosso F: 329
Rossof AH: 3343
Rossouw DJ: 3344
Rostenberg A Jr: 1654
Rostron J: 3345
Rotaru C: 3346
Rotem Y: 853
Rotgans J: 3347
Roth HL: 3348
Roth LM: 389
Roth-Meyer C: 696, 770
Rothberg H: 3349
Rothberg RM: 3350
Rothenbühler V: 2261
Rothman KJ: 1879
Rothman SS: 3351
Rothschild J: 998
Rotolo G: 3464–3465
Rotrosen J: 3352
Rotzsch W: 2096
Roughley PJ: 937
Rougier O: 543
Round JM: 3741
Rousset B: 3353
Rousset M: 2239

Roussy M: 254
Routledge LM: 3354
Routtenberg A: 3659
Roux C: 3839
Roux M: 1339
Roux ME: 4194
Rovner DR: 2040
Rowe DJ: 1549
Rowell PP: 3355
Rowland MG: 4225
Rowlatt UF: 4190
Rowley J: 500
Rowsby L: 1899
Rowson LE: 2875
Roy JP: 3305
Roy S: 840–842, 845–846, 2207, 2724, 3356
Roy SK: 1345, 1938
Roychoudhury DK: 3357
Roydhouse N: 3358
Rozanova VD: 3359
Rozé C: 3360
Rozeik F: 1567
Rozenbaum H: 3361–3362
Rozenfel'd MA: 131
Rozenshtraukh LV: 4372
Rozhin J: 480
Rozhko OT: 2561
Rozsívalová V: 3363
Rubenfeld S: 3364
Rubin AL: 366
Rubin LL: 1410
Rubinstein L: 2711
Rubio R: 3365
Ruchkina AS: 1404
Ruckhäberle B: 3366
Ruckhäberle KE: 3366
Rudavsky AZ: 3367
Rudchenko NB: 3368
Rudek DE: 3369
Rudigier J: 987
Rudneva TB: 3370
Rudnicka W: 3371
Rudolph RB: 713
Rudy J: 3372
Rüedi B: 3373–3374
Ruffin R: 1165
Rughani IK: 3658
Rühle HJ: 1075, 1681
Ruilope LM: 3375
Ruiz J: 125
Ruiz-Velasco R: 3376
Ruiz Velasco V: 3377
Rumancik WM: 3378
Rumbesht LM: 3379
Rumeau C: 1942
Rumi G: 2651
Rumiantseva LN: 1822
Runge P: 3380
Runikis JO: 3381
Runkel R: 2774
Runt M: 3382
Runyeon WK: 2444
Ruoslahti E: 3569
Rushonik SI: 3631
Rushton C: 3383
Rusnăk M: 2066
Russell DH: 539, 3384
Russell L: 3385
Russell P: 3999
Russell RG: 1950
Russell TE: 3386
Russo C: 3387
Russolillo S: 515
Rustichelli S: 561
Rutenberg HL: 2241
Rutherford AM: 3388
Rutskiĭ VV: 3952
Rützel H: 3494
Ryan J: 2147
Ryan L: 255
Ryan RJ: 1361, 4339
Rybiński K: 332
Ryde J: 3544
Rydén G: 3389
Ryo UY: 3390–3391
Ryu S: 1987–1988
Ryzhavskiĭ BIa: 3392
Rzempołuch J: 653
Rzepka I: 3393–3394
Rzeszowska G: 694
Rzhevskaia MS: 3593

S

Saackel L: 3769
Saarni H: 3395
Sabag N: 3396
Sabir M: 3423
Sabol SL: 3397
Sabra A: 998
Sachar EJ: 3352
Sachs A: 2228
Sachs L: 3653
Sackmann-Muriel S: 601
Sacktor B: 2361
Sadauskas VM: 3398
Sadekov M: 257
Sadler TE: 2762
Saeger W: 591
Saenger P: 3399
Saez JM: 1531, 2311, 2735, 3400
Safarčík K: 2784
Sagel SS: 3745
Sageshima M: 3002
Saggerson ED: 2468
Saggio A: 200
Said LE: 768
Saide JD: 4362
Saier MH Jr: 3401
Saiki J: 54
Sailly F: 3402
Sain A: 3403
Saini AS: 3885
Saito H: 3404
Saito I: 3405, 3444–3445
Saito K: 3620, 3957
Saito R: 1948
Saito Z: 3856
Saitoh N: 1989
Sajonski H: 982, 3406
Sakai H: 3451
Sakai Y: 3407
Sakamoto H: 4330
Sakamoto K: 3408
Sakamoto S: 3450
Sakamoto T: 2995
Sakima T: 838
Sakowski R: 3261
Saksena SK: 3409
Saksonov NP: 3410
Sakuma H: 2082
Sakurai Y: 650
Sakuraya N: 1784, 3411
Sakuyama K: 1785
Salabé GB: 864
Salcedo LL: 3907
Salcuni PF: 3027
Saleh AM: 2712
Saleh MA: 3412
Salerno JC: 367
Salewski D: 1595
Salgado Rodríguez C: 896
Salganicoff L: 1258
Salisbury S: 3413
Salkeld RM: 4187
Salkin MS: 3414
Salles Meirelles R: 2579
Salmenperä M: 1740
Salmi J: 3081
Salmon SE: 3415
Salomon MK: 3416
Salomy M: 3417
Salpeter K: 3325
Salvadori B: 284–285
Salvo D: 1179, 3992
Salzer H: 2789
Salzman C: 3418–3419
Salzman E: 811
Salzman EW: 16, 3420
Samaan NA: 49, 3421
Samanin R: 3422
Sambasivarao K: 3423
Samizadeh A: 4206
Sampaio JM: 3424
Samperez S: 1529
Sample WF: 2398, 3425
Sampson L: 2709
San Molina J: 4095
Sanada S: 3426
Sanberg PR: 3427
Sanches MG: 3428
Sanchez D: 1901
Sánchez MS: 1302
Sanchez P: 1531
Sánchez-Armáss S: 3429
Sánchez Peinado C: 3016
Sancho J: 1069
Sancilio FD: 4034
Sandberg AA: 2041, 4331
Sandeman TF: 3430
Sandig KR: 3431
Sandoval F: 4040
Sandros T: 3115
Sanel FT: 1046
Saner A: 2420
Sani BP: 3432
Sanjuan B: 707
Sann L: 3433
Sanno K: 2564
Sano T: 3859
Sanogho S: 2081
SanSebastian JR: 2780
Sansom BF: 854
Santagati G: 3434
Santaularia JM: 3204
Santiago Corchado M: 44
Santisteban AC: 3435
Santo Y: 1540
Santos GW: 1053
Santos-Ruiz A: 2684
Saperstein R: 4077
Sapru RP: 3234
Sar M: 3795
Sarada K: 3436
Saraiva RA: 3437
Sarber RL: 3438
Sardet C: 3943
Sareen KN: 2205
Sargents CR: 2450
Sarin K: 3439
Sarkaniats A: 185
Sarkar FH: 1561
Sarkar SK: 3567
Sarkisova KIu: 3440
Sarles H: 3441
Sarnatskiĭ VM: 3442
Sarosiek J: 3372
Al-Sarraj K: 3443
Sarti DA: 3425
Sarto GE: 2479
Saruta T: 3405, 3444–3445
Sas B: 3393
Sas M: 3446, 3831
Sasaki CT: 1700
Sasaki F: 4162
Sasaki H: 3447
Sasaki M: 3842
Sasayama Y: 2938
Sastry BV: 3355
Satake S: 3957
Satinoff E: 3448
Sato A: 2483
Sato B: 2829, 2907
Sato G: 2578
Sato GH: 4308
Sato K: 3449–3450, 3957, 4356
Sato M: 650, 3451
Sato N: 4027
Sato S: 3452
Sato T: 2082, 2695, 2937, 2958, 3449
Sattler GL: 2654
Satyanand: 3932
Sauerbrei HU: 2499
Sauerwein HP: 3453
Saugeron P: 1855
Saunders EF: 1224
Saunders PJ: 3454
Saunders RC: 1551
Saur W: 1841
Savage JE: 287
Savchuk BD: 3455
Savege TM: 3456
Savel'eva OP: 315
Savitskaia KI: 3457
Savoja MT: 3549
Sawada Y: 4004
Sawai M: 2955–2956
Sawano A: 3848
Sawano S: 4316

Sawicki B: 3458
Sawlewicz J: 3371
Sawyer BD: 709
Sawyer CH: 586, 3459–3460
Sawyer WH: 1320
Saxena AK: 3439
Saxena BN: 1196, 3627
Saxena QB: 3461
Saxena RK: 3461
Saxon A: 3462
Sayfan J: 3463
Scacchi P: 2711
Scaffidi A: 3464–3465
Scaffidi L: 3464–3466
Scaffidi V: 3466
Scaglia HE: 572
Scally MC: 3467
Scandroglio R: 3468
Scanlon EF: 3825
Scappaticci S: 2038
Scarabin JM: 3469
Scaramella TJ: 3470
Scaramuzzi RJ: 706
Scardino PT: 1856
Scarella A: 4040
Scarpa A: 3471–3472, 3472
Scarpa F: 3473
Scarselli GF: 2332
Scazziga BR: 3474
Scebat L: 1512
Schaaf M: 2057
Schachner SH: 3475
Schacht RG: 1940
Schade RW: 3476
Schäfer H: 618
Schaff V: 1381
Schäffer EH: 2787
Schaffer SW: 3477
Schaison G: 3478
Schalch DS: 2244
Schally AV: 113, 1173, 1851, 3481, 4096
Schalock RL: 756, 3482
Schane HP: 3483
Schanzer M: 3484
Schanzer MC: 3485
Schapiro H: 3486
Schardt CW: 4347
Schareyka R: 2168
Scharf J: 3487
Scharff O: 3488
Scharfman WB: 19
Schatz NJ: 2302
Schauenstein E: 3489
Schauenstein K: 3489
Schauerhamer B: 2687
Schayer RW: 3490
Scheibel M: 1737
Scheid MP: 3501
Scheller G: 3491
Schenck PE: 1
Schenker JG: 3626
Scher AM: 807
Scherer K: 3492
Schernthaner G: 2436
Scherrer H: 420
Scherstén B: 3931
Schettini G: 3219
Scheuer A: 3493
Schick K: 320
Schieb M: 1095
Schiebler TH: 1287–1288, 3494
Schilffarth H: 3495
Schimmel RJ: 3496
Schindl R: 3497
Schindler AE: 711, 3498
Schindler AM: 2149
Schinnar R: 3779
Schinzel A: 3499
Schippan R: 3500
Schlaepfer WW: 175
Schlaeppi P: 3056
Schlegel C: 3366
Schlegel W: 1130
Schleifer LS: 3338
Schlesinger DH: 3501
Schlesinger EB: 560
Schlichter DJ: 592
Schlienger JL: 3502–3503
Schlondorff D: 1155
Schlosberg AJ: 3504
Schlosser V: 3505
Schmähl D: 1150
Schmalz H: 3431
Schmid G: 2433, 3506
Schmid L: 1698
Schmidt DE: 3507
Schmidt M: 3773
Schmidt MR: 3401
Schmidt P: 2123
Schmidt RF: 2076
Schmidt TJ: 3508
Schmit-Neuerburg KP: 1650
Schmitges CJ: 2274
Schmitt B: 3318
Schmitt GW: 1169
Schmitt WM: 3509
Schmitz-Feuerhake I: 3510
Schmutzler W: 3064
Schnabel K: 3511
Schneider AB: 3602
Schneider DL: 3369
Schneider F: 2309, 3512
Schneider HT: 458
Schneider J: 2583, 3513
Schneider JM: 2754
Schneider KR: 3514
Schneider NS: 2409
Schnieden H: 547
Schnitzer B: 771
Schnoes HK: 897, 2206
Schnurr E: 3515
Schoene NW: 3516
Schoenwald RD: 3517
Schöffling K: 3112
Schofield P: 1438
Schollmeyer P: 2074
Schömig A: 941, 2445
Schönberg D: 2061
Schonfeld S: 3707
Schönherr H: 3518
Schorderet M: 1368
Schorderet-Slatkine S: 1368
Schotland DL: 3472
Schottenfeld D: 3519
Schotz W: 2151
Schowing J: 3520
Schretlen ED: 3566
Schrier BK: 3521
Schrier RW: 82, 310, 2381–2382
Schroeder ET: 3522
Schrör K: 3523
Schrub JC: 3524
Schubert D: 3525
Schubert K: 1391–1392, 1865
Schubotz R: 3513
Schuffenhauer W: 3526
Schuhmann R: 2158
Schuhrke TD: 3527
Schulman JD: 2779
Schulte W: 2168
Schultess F: 1038
Schultz G: 381, 1841
Schultz KD: 2169
Schulz S: 3366
Schümann HJ: 2766
Schurman DJ: 3528
Schuster GS: 3529
Schüttauf J: 3431
Schvartzman E: 601
Schwab M: 1574
Schwabe U: 3530
Schwanitz G: 3531
Schwartz A: 1067
Schwartz AD: 69, 1492
Schwartz AL: 3532
Schwartz B: 3533
Schwartz D: 1942
Schwartz HL: 2978
Schwartz K: 991
Schwartz ML: 3989
Schwartz MP: 202
Schwartz PE: 3534
Schwartzbaum JS: 3535
Schwarz H: 877
Schwarz I: 133
Schwarzenberg TL: 2839
Schwarzmeier J: 3338
Schwerd T: 4399
Schwippelová Z: 3057
Schwirck S: 1121
Schwoch G: 3536
Schwyzer R: 3537
Sciabbarrasi JS: 746
Sciarra F: 1103, 2839, 3804
Scibilia G: 947
Sciulli PW: 3538
Scopacasa F: 3219
Scott AP: 2426
Scott D: 3539
Scott DE: 3540
Scott DS: 4267
Scott JS: 1525, 2486
Scott JW: 2006
Scott JZ: 3541
Scott KM: 1579
Scott PM: 3542
Scott RE: 3543
Scrace GT: 3036
Scriver CR: 1217
Scroop GC: 395
Scuro LA: 2411
Scutari G: 438
Seabright M: 3544
Seager CP: 1171
Seager SW: 4244
Sealry JE: 1993
Seaman WB: 3545
Searls RL: 2838
Sears ES: 3546
Sears HF: 2322
Seawright JA: 3547
Seay AR: 3548
Sébaoun J: 1485
Secchi C: 2412
Secchi GC: 3549
Seccombe D: 1516
Seck G: 2081
Seddon B: 2833
Sedletskiĭ IuI: 1990
Sedova KS: 1497
Sedvall G: 2388
Seebode JJ: 2492
Seed M: 1436
Seegerer W: 1460
Seelig G: 3550
Seeman P: 1237
Seepers J: 3909
Seferna I: 1920
Segal M: 3551
Segal S: 2680
Segal SJ: 3552
Segato P: 4052
Segawa T: 3553
Segre A: 695, 3554
Segre E: 2774
Segre GV: 3555
Seidenfeld AM: 3556
Seidlitz G: 3431
Seiferth J: 3557
Seifter S: 1971
Seiji M: 3558
Seiler CF: 3559
Seino M: 650
Seino Y: 3560
Seip M: 2708
Sekeris CE: 1673
Seki K: 3561
Seki T: 2907
Sekiguchi T: 4134
Sekine T: 2948
Sekizawa N: 3562
Sekso M: 2424
Self M: 3090
Selichenko AG: 3675
Sellami M: 419
Sellers A: 3563
Sellmed TO: 2367
Selser JC: 4346
Selye H: 2136
Semecký V: 4403
Semenkov VF: 3564, 4379
Sen K: 2518
Sen PC: 2518
Senanayake F: 4268
Seńczuk W: 3565
Sengers RC: 3566
Sengupta P: 3567
Senior BE: 3568
Senoo H: 2893
Seon BK: 1286

AUTHOR INDEX

Sepe S: 3736
Seppälä M: 3569–3570
Sera K: 2958
Serafimov N: 3571
Serck-Hanssen G: 1606
Sereda EV: 939
Sereni F: 208
Sergeev PV: 3572
Sergeeva TV: 3573
Serna JA: 3574
Serrano J: 2989
Serrano PA: 3575
Serrano Rios M: 3197
Serroni A: 655
Sesline D: 1689
Sétáló G: 1173
Setchell KD: 3576
Sete M: 3437
Seth J: 3577, 4264
Seto A: 111
Seto M: 3964
Settipani L: 616
Setty BS: 1938
Severac JC: 707
Severs WB: 627
Seyama K: 3578
Seymour AE: 395
Shackelford R: 1298
Shackleton CH: 3890
Shade RE: 4327
Shader RI: 3418–3419
Shah DH: 1858
Shah GV: 3603
Shaha C: 3012
Shahi V: 3579
Shahidi NT: 2616, 3580–3581
Shahin I: 3582
Shahshahani MN: 3583
Shain SA: 3584
Shakhanina KL: 3457
Shakhova MK: 250
Shalet SM: 3585
Shaliapina VG: 3586–3587
Shalimov AA: 3588
Sham R: 3403
Shamaev MI: 4405
Shane JM: 3589
Shank PR: 3300–3301
Shapira R: 3624
Shapiro B: 3590
Shapiro BM: 1279
Shapiro DJ: 173
Shapiro IM: 318
Shapiro S: 3779
Shapiro SR: 3591
Shardakov VP: 2531
Share L: 4327
Shariat AS: 2506
Sharkey RM: 4068
Sharma RV: 323
Sharman DF: 1693
Sharp GW: 3222
Sharts CM: 2416
Shaw A: 291, 2003
Shaw MT: 3592
Shawl F: 2016
Shchedrina RN: 1111–1112
Shchepina TM: 3442
Shcherbatenko MK: 3593
Shcherbatiuk DI: 3594
Shearer DA: 1649
Shearer HT: 1227
Shearman RP: 1219, 3595
Sheehan B: 138
Sheets JA: 2591
Shehata R: 3596
Sheikher C: 1953
Shekhtman MM: 3597
Shen AC: 3598
Shenboum M: 2625
Shendereva TS: 4007
Shenkman L: 993
Shepard BJ: 795
Sheppard JR: 4151
Sheps SG: 4013
Sher G: 3599
Sher RC: 371
Sheridan B: 140
Sheridan P: 3600
Sherins RJ: 3601, 4276
Sherlock S: 2417
Sherman BM: 3822
Sherrard DJ: 719
Sherwood LM: 3602
Sheth A: 4048
Sheth AR: 103–104, 3121, 3603–3604, 4050–4051
Sheth KJ: 3605
Sheth UK: 2816
Sheth V: 1931
Shevchenko AS: 2982
Sheyte TA: 2817
Shibasaki H: 3606
Shibazaki K: 1764
Shibazaki T: 1803
Shida K: 1817
Shields D: 3607
Shields R: 2603
Shikita M: 1020
Shiloach J: 1270
Shimada M: 2743
Shimazawa E: 3844
Shimizu F: 3608
Shimizu K: 3609–3613, 3611
Shimizu M: 3612, 3619
Shimizu T: 3613–3614, 3976
Shimokawa Y: 2823
Shimomaye SY: 4067
Shimomura Y: 2221
Shimonaka H: 3615
Shimotsuji T: 3616
Shimoyama M: 2837
Shin DH: 3617
Shin KH: 3618
Shinaberger JH: 1633
Shindo T: 1063
Shino M: 1623
Shinoda M: 3619
Shioji K: 2837
Shiokawa H: 4334
Shionoiri H: 3620
Shirakami A: 4333
Shirasawa Y: 3621
Shire JG: 4274
Shirinian EA: 3622
Shishido F: 2958
Shishov VI: 3623
Shishova EV: 3623
Shively JP: 251
Shizume K: 3562
Shlovskiĭ NE: 2362
Shmal'ko IuP: 4105
Shnaider J: 360
Shoji M: 2212, 3624
Sholiton LJ: 1096
Short RV: 3625
Shoupe TS: 525
Shouval D: 3626
Shraer DP: 2516
Shreeve BJ: 3052
Shrimanker K: 1196, 3627
Shriver CN: 579
Shryne JE: 1415
Shuler JK: 3628
Shulman S: 3691
Shuman H: 1395
Shuster S: 3916
Shvarts GIa: 3629
Shvetsova OI: 3630
Shvydko NS: 3631
Sibbald WJ: 2252
Sibley PE: 3632
Sichová E: 1951
Siddiqui UA: 3633
Siddle DR: 3568
Sidorenko EI: 3634
Siebens AA: 3635
Sieber SM: 3636
Siedband LB: 3390
Siegal FP: 3637
Siegel DP: 3638
Siegenthaler W: 1273
Sierralta W: 3639
Sievers S: 3640
Sigh UB: 3641
Signoretti A: 2839
Sigulem D: 1328
Sih JC: 3642
Sikl D: 3986
Sikstrom R: 302
Silberbauer K: 3643
Silbergeld EK: 3644
Silbermann M: 732
Silfverswärd C: 4211
Siliprandi N: 438
Sill V: 1985
Silman RE: 441, 3645
Silva JE: 3646
Silva O: 3647
Silva de Sá MF: 3648
Silveira AA: 2328
Silver A: 3649
Silver L: 3403
Silverman A: 998
Silverman AJ: 3650
Silverman S: 3651
Silvestrini F: 3652
Simantov R: 3653
Simarina AI: 1391–1392
Simert G: 3654
Simler S: 2519
Simmons JT: 138
Simmons NL: 3655
Simon B: 1973–1974, 3656
Simon J: 3469, 3657
Simon R: 2399, 2863
Simon SB: 443
Simon TL: 3658
Simonovic M: 2623
Simpson JB: 3659
Simpson P: 2472
Singer AL: 3660
Singer FR: 719
Singh D: 322
Singh DV: 480
Singh GB: 3661
Singh H: 3885
Singh J: 1174–1175
Singh KN: 28, 3662
Singh M: 3663
Singh MM: 3664
Singh PM: 1561
Singh RC: 3665–3666
Singh RK: 3665–3666, 3901–3902
Singh TJ: 4130
Singh UB: 3667
Singhi S: 3663
Sinha YN: 3668
Siniutina NF: 4106
Sinkovic B: 4209–4210
Sinks LF: 448
Sinzinger H: 3643
Sirinathsinghji DS: 3669
Sirjean D: 744
Sirot J: 2419
Sirotskiĭ VV: 3670
Siso C: 3671
Sitaram N: 2628
Sivelle PC: 3672
Sivula A: 1740, 3673
Sizemore GW: 81
Sizonenko PC: 3056, 3674
Sjölund K: 3810
Sjövall J: 3576
Skachek IB: 3675
Skakkebek NE: 3676
Skala J: 1516
Skala JP: 3677
Skeggs DB: 4268
Skellern GG: 3678
Skett P: 1277
Skiens WE: 528
Skinner JE: 3679–3680, 3680
Skinner RK: 2417
Skinner RW: 594
Sklad M: 3224
Skobelev VA: 178
Sköldstam L: 3681
Skomedal T: 2990
Skopichev VG: 1424
Skoromets AA: 3682
Skrzypek J: 4161
Skulachev VP: 3683
Skvarko SI: 1180
Slabber CF: 929
Slade A: 2844
Sladek CD: 3684
Sladek JR Jr: 2009, 3684
Slater JD: 4238
Slater PA: 1178
Slaton PE: 1688

Slatopolsky E: 202, 1718
Slaughter CA: 975
Slijepčević M: 3058
Slin'ko OM: 1435
Sljivić VS: 3685
Slobodianik KF: 3686
Slobodnianik OA: 4383
Slone D: 3779
Slotboom AJ: 884
Slotkoff LM: 3687
Slovik D: 3263
Sluss PM: 3265
Smallridge RC: 3688
Smals AG: 1671
Smedstad KG: 1165
Smelik PG: 3939–3940
Smetnev AS: 939
Smiełowski B: 812
Smirnova IB: 2117
Smit H: 2998
Smith AC: 3287
Smith AF: 260
Smith AJ: 3689
Smith AM: 530
Smith BP: 2466
Smith BR: 3177
Smith DA: 2767
Smith DF: 3690
Smith DJ: 3691
Smith ER: 1431
Smith ES: 4239
Smith GF: 1896
Smith GK: 794–795
Smith I: 3645
Smith IK: 4246–4247
Smith JB: 3692
Smith JW: 2485
Smith KA: 2792
Smith LD: 1678
Smith LH: 3693
Smith LT: 3694
Smith MS: 3695
Smith PB: 3696
Smith PL: 1152
Smith R: 1950
Smith RE: 195–196
Smith RF: 425
Smith RL: 551, 3482
Smith RM: 2857
Smith RP: 3697
Smith S: 324
Smith SJ: 3698
Smith SW: 3699
Smith WR: 1875
Smollich A: 3700
Smudski JW: 689
Smythe F: 219
Snearly RG: 3701
Snel P: 4063
Snider RH: 3647
Snobl O: 3702
Snodgrass WR: 3887
Snyder SH: 3703
So EP: 3704
Sobel GW: 3390
Soble AR: 3705
Sobota V: 2344
Sobowale O: 3706
Söderstein P: 1432
Södersten P: 1534–1535
Söderström R: 1065
Soehnlen B: 3415
Soffer O: 3707
Sofroniew MV: 4181
Sokol WN: 3708
Sokolov AV: 3709
Sokolova TS: 1820
Solangi K: 18
Solbach HG: 3514
Solc J: 3710
Solda AM: 1790
Solé-Balcells FJ: 1880
Solheim F: 826
Solimene A: 2806
Solky HJ: 3711
Soller M: 3801
Sollerminskaia TN: 1029
Soloff LA: 2241
Solomon L: 3712
Solomon S: 741, 3178
Soloway MS: 2757
Soltani K: 1249
Soltys BJ: 3713
Soltysiak JS: 2225
Soltysiak-Pawluczuk D: 3714
Somlyo AP: 1395
Somlyo AV: 1395
Sommer K: 2067
Søndergaad J: 1597
Søndergaard J: 4127
Soni SK: 30
Sonnenberg A: 3715
Sonnenberg GE: 3715
Sonntag RW: 600
Sonoo H: 1792
Sood S: 3242
Sood SC: 3885
Soodak M: 2848
Soothill JF: 3991
Soper FF: 3716
Sørensen H: 2805
Sorensen LB: 1249
Sørensen PN: 2890
Sørensen S: 3717
Sorfová J: 961
Soria J: 4376
Sorkin SJ: 3718
Sorri M: 1965
Sortland O: 3719
Souchier C: 2287
Soulsby ME: 3720
Southam AM: 1415
Southren AL: 3721
Southwick HW: 4282
Søvik O: 42
Sow AM: 3937
Sowell JG: 3722
Soyinka F: 3723
Spaeth GL: 3724
Spalajkovic M: 978
Spangaro M: 1472
Sparano F: 3803–3804
Spark RF: 16
Spätling L: 3725
Speck B: 3726
Speck U: 1747
Speichermann N: 1176
Speidel JJ: 3727
Speight TM: 471–472
Spence AB: 3728
Spencer R: 2290
Sperhac A: 258
Spieckermann PG: 1408
Spiera H: 3729
Spilg WG: 526
Spinelli C: 2288
Spinethová N: 2536
Spinowitz B: 369
Spirichev VB: 1796
Spiro HM: 558
Spiteller G: 1045
Spitler LE: 3651
Spona J: 2789
Sponzo R: 2863
Sporer A: 2492
Sporn JR: 2716
Sprindrich J: 3730
Sprindrichová D: 3730
Spruill WA: 3731
Sprumont P: 3520, 3732–3733
Spurbeck JL: 930
Spurgeon HA: 1241
Spurr CL: 3290
Spužić I: 3734
Srámková J: 2536
Srebnik HH: 1560
Srebro B: 1534
Srebro Z: 2240
Sredni B: 3582
Sréter FA: 2456
Sribnaia AF: 201
Srivastav AK: 3823
Srivastava AK: 3735
Srivisal S: 3808
Stabile M: 3736
Stableforth P: 3922
Stables DP: 2381
Stachewitsch A: 3618
Stack BH: 526
Stadel JM: 3737
Stadhouders AM: 2001, 3566
Stafford WF: 3160
Stahl A: 1557, 2434
Stahl F: 1730
Stahl NI: 2770
Stahl R: 1609
Stähler E: 3725
Stainthorpe EM: 739
Staland B: 3738
Stallcup MR: 3739
Stallcup W: 3525
Stam H: 3740
Stamoutsos BA: 2030
Stamp TC: 3741
Stanczyk FZ: 2724, 3541
Standeven JW: 218
Stanek J: 3742
Staneloni RJ: 3743
Stånge L: 3744
Stanley RJ: 3745
Stanners CP: 3746
Stanton PE: 92
Stanton SL: 3747
Staples AF: 1588
Starfield B: 1612
Stark E: 2509
Stark JE: 1696
Stárka L: 2086, 2927, 3800
Starr MS: 3748
Starshak RJ: 3798
Starzl TE: 3749
Stasik JJ Jr: 2591
Statius van Eps LW: 886
Staub JJ: 2788
Staudinger H: 4177
Stawiski MA: 4122
Stech J: 2807
Steczek K: 3832–3833
Steeb J: 3750
Steel JM: 3751
Steele HD: 3172
Steele JM Jr: 1940
Steer CJ: 1271
Steer ML: 757–758
Stefano GB: 3752
Stefanova T: 3753
Stegerhoek CI: 121
Steichen JJ: 623
Steigbigel RT: 3754
Stein JM: 1952
Stein RM: 1926
Stein RS: 3755
Stein T: 4169
Steinbaum FL: 3756
Steinberg AD: 3250, 3757, 4253
Steinberger E: 1465, 1601
Steinbicker V: 3431
Steiner AL: 985, 2098, 3731, 3758
Steiner B: 320, 436
Steiner DF: 3759
Steiner PM: 3999
Steiness E: 2179, 2888
Steinmetz PR: 2775
Stellman SD: 4313
Stelzner A: 2068
Stendahl O: 3760
Stenius-Aarniala BS: 33
Stenn FF: 2305
Stenström A: 1536–1537
Stenton JR: 854
Stepanova TI: 510
Stephan F: 3503, 3761
Stephens GA: 4164
Stephens S: 3762
Stephens WP: 3763
Stephenson EW: 3764
Stephenson JH: 1376
Stępień A: 2707
Stępień H: 1960, 3062
Steptoe PC: 1200–1201
Sterba G: 1681
Sterin-Speziale N: 1358
Sterlina TS: 1933
Sterling GM: 3765
Stern P: 660
Stern PH: 275–276, 2622, 3766
Stern RC: 3532
Sternadel Z: 3767
Sternberg DB: 1373
Sternberger LA: 3768

Sterz H: 2916, 3769
Stětina J: 969
Stevens AR: 4249
Stevens MB: 2675
Stevens PM: 3770
Stevens RH: 3462
Stevens VC: 917
Stevenson JS: 467
Stewart D: 3771
Stewart GJ: 1258
Stewart J: 2962
Stewart ME: 3772
Stewart WD: 3381
Steyn AF: 929
Stifel FB: 3884
Stigbrand T: 826, 1702
Stimson WH: 526
Stirman JA Jr: 4200
Stitch SR: 3735
Stock K: 3773
Stockhausen K: 380
Stoffel D: 3170
Stoffer SS: 3774–3775
Stogdale L: 3776
Stohs SJ: 3267
Stolarczyk A: 983
Stolecke H: 84–85
Stolee AH: 2000
Stoll BA: 3777–3778, 4268
Stoll W: 1640, 1984
Stoller U: 600
Stolley PD: 3779
Stollmann B: 970
Stolpe HJ: 3431
Stolze T: 2062
Stolzenberg SJ: 1669
Stone RA: 2691
Stone TW: 3780
Stopińska-Głuszak U: 3201
Stopyrowa J: 114
Store SD: 1936
Storey CR: 3781
Störmer B: 312
Storring PL: 3782
Stosich GV: 2622
Stossel TP: 4195
Straathof JW: 2998
Stracuzzi G: 3324
Strada SJ: 1601
Straisfeld C: 3143
Strand FL: 234
Strand LJ: 2774
Strashnenko SI: 3061
Strata A: 2498
Strauch G: 3783
Strauss D: 3091
Stray O: 1522
Strecke J: 1392, 1865
Streckenbach B: 2632
Strecker H: 1037
Strecker JR: 3784–3785
Streeten DH: 1054
Streilein JW: 2109
Strel'tsova NA: 2397
Strel'tsova VN: 3061
Streuli R: 3786
Stříbrná J: 3787
Strickland S: 267
Stringfellow DA: 3788
Strom SC: 2050
Strong CG: 4013
Strong MS: 2278
Stroop J: 702
Strosberg AD: 717
Strothkamp KG: 3789
Stroupe SD: 4213
Stroupes SD: 353
Struck RF: 2858
Strumilo SA: 3790
Struthers BJ: 3791
Stryd RP: 3792
Strzeszynski J: 114
Stuart AE: 2461
Stuart ES: 3793
Studd JW: 3797
Studer-Stäheli C: 2566
Stumpe KO: 3794
Stumpf WE: 3795
Stupfel M: 3796
Sturchak SV: 1111
Sturdee DW: 3797
Stürmer M: 1650
Sturtridge WC: 3218
Sty JR: 3798
Styblo K: 121
Su JL: 4231–4232, 4232
Su WS: 197
Su YF: 4232
Su Kim K: 3856
Subramanian N: 3799
Suchkov VV: 256
Suda T: 2396, 3844
Sudo T: 2955–2956
Suemori I: 2189
Suenaga T: 4355
Sueoka S: 2824
Sugawara M: 3957
Sugden PH: 761
Sugihara M: 511
Sugimoto A: 1683
Sugimura T: 3560
Sugita K: 1923
Sugiyama T: 2221
Sugrue MF: 2686
Sujansky E: 3287
Sulcová J: 3800
Sulimovici S: 3801
Sülle C: 3802
Sullivan J: 436
Sulon J: 3014, 3803–3804
Sultanbaev TZh: 2984
Sumida T: 1948
Sumikawa K: 3805
Sunaga Y: 2222
Sunamori M: 3806
Sund RB: 3807
Sundaram M: 3808
Sunde ML: 3809
Sundick RS: 1853
Sundler F: 3810–3811
Sunshine GH: 3812
Suntharalingam N: 2152
Suo M: 3816
Susheela PS: 1905
Susta A: 3059
Sutkovoi DA: 3813
Sutow WW: 3994
Sutton RA: 3814
Sutton TJ: 4088
Suwa S: 3815
Suwatanaviroj A: 685
Suzuki C: 2997
Suzuki F: 2810
Suzuki J: 2995
Suzuki K: 1781
Suzuki M: 3816
Suzuki N: 2617, 2827
Suzuki T: 1944, 3848, 3854
Svarch E: 3817
Svare A: 3719
Svasti J: 3818
Svendsen UG: 3819
Svensson TH: 3820
Swaab DF: 3821, 4109
Swain ML: 1160
Swallow M: 61
Swanson JA: 3822
Swartz C: 1139
Swarup K: 3823
Sweeney EC: 376
Sweet DL Jr: 3824
Sweetman BJ: 2934
Swelstad JA: 3825
Swisher D: 3942
Symchowicz E: 993
Symington IS: 3826
Symon L: 1578
Symonds EM: 786, 3145
Synder J: 4125
Synder SH: 4028
Szabuka M: 813
Szafran Z: 3827
Szalay L: 3840
Szécsi K: 3828
Székely I: 783
Szende B: 3841
Szklarz E: 3829
Szöllösi D: 3830
Szöllősi J: 3831
Sztefko K: 3827
Szücs J: 1338, 3832–3833
Szumiel I: 3834

T

Tabakoff B: 3835
Tabei R: 3905
Taber BZ: 2979
Taber RL: 2523
Tacchini V: 1409
Tacconi MT: 344
Tachibana K: 1260
Tachibana T: 2829
Tada M: 3836
Tada S: 112
Taddei GL: 2332
Tafari N: 2808
Tafurt CA: 3837
Tagliamonte A: 2961
Taher A: 2616
Tai J: 3838
Taillemite JL: 3839
Tait AD: 3669
Tait JF: 274, 4139
Tait SA: 274, 4139
Taka RY: 1655
Takács L: 3840
Takácsi-Nagy L: 3841
Takaesu Y: 1780
Takagi N: 3842
Takagi T: 3843
Takahashi H: 2832, 3844
Takahashi K: 3845
Takahashi M: 3154
Takahashi N: 3854, 3876
Takahashi T: 1786, 2027
Takahashi W: 2827
Takahashi Y: 2143, 3845
Takai S: 1929, 3846–3847
Takakuwa T: 2186
Takami M: 1257
Takano S: 3848
Takano T: 2922
Takanohashi M: 1923, 2229–2230
Takao A: 3849
Takasaka T: 3850
Takasaki T: 906
Takasaki Y: 3851–3852
Takatsuki K: 3602, 3853
Takauji M: 3854
Takayasu H: 1798
Takazawa T: 3874
Takebe K: 1809, 1811
Takebe Y: 3860
Takeda F: 3613
Takeda H: 3855
Takeda R: 3856
Takeda Y: 1256
Takemori S: 2105
Takemoto DJ: 3857
Takemoto M: 4317
Takenaka K: 1792
Takeno K: 2922
Takenoshita R: 3858
Takeuchi A: 3859
Takeuchi J: 2739, 3860–3861
Takeuchi T: 2947, 3862
Takiguchi M: 4351
Takihara T: 1792
Takii M: 1769
Takimoto S: 1977
Takisawa H: 3863
Takizawa Y: 2946
Talal N: 3864
Talamantes F: 1878
Tallant EA: 4142
Tallentire D: 1432
Talmage DW: 3865
Talwalkar RT: 2134
Talwar GP: 3461
Talwar PP: 301
Tamai M: 3866
Tambyah JA: 3900
Tan BC: 3867
Tan LK: 3900
Tan SG: 3896
Tan SY: 1128, 3868
Tanaka G: 3869
Tanaka H: 3870

Tanaka K: 2947, 3871–3872
Tanaka T: 2700, 2746
Tanaka Y: 3553
Tandon PN: 3182
Tanford C: 871
Tang LC: 3873
Tang TT: 3605
Tanguy A: 4069
Tanigawa Y: 2837
Taniguchi A: 2809
Taniguchi K: 3874
Taniguchi Y: 1987–1988
Tanikawa K: 1779
Tanikaze S: 3875
Tanimoto K: 1252, 2994, 4344
Taniyama K: 3876
Tanneberger S: 2732
Tannenbaum RP: 567
Tantachamrun T: 3914
Tantibhedhyangkul P: 3877
Tao LC: 3878
Tarditi E: 4085
Tarkovács G: 3841
Tarrant LH: 2876
Tarrant ME: 633
Tashjian AH Jr: 3879
Tasnádi G: 3880
Tata JR: 1118
Tatarinov IuS: 3709
Tatemichi SR: 3881
Tatibana M: 1666
Tatsiĭ IuA: 201
Taub H: 3882
Taube K: 429
Taubert HD: 3883
Taunton OD: 3884
Tavakalova IKh: 2017
Tayal JP: 3885
Taylor A: 3255, 3886
Taylor AA: 3887, 4104
Taylor DA: 3780
Taylor DG: 3888
Taylor JD: 3103
Taylor KM: 3889
Taylor NF: 3890
Taylor P: 525
Taylor S: 376
Taylor WM: 3891
Taymor ML: 3892
Tazieff-Depierre F: 3893
Tchaoussoff J: 2776
Tchernitchin A: 3396
Tedeschi G: 3219
Tegler L: 2441
Teh-chao W: 1720
Teh-fu W: 3936
Tei N: 3963
Teirstein P: 3866
Teitelbaum A: 224
Teitelbaum H: 2660–2661
Teitelbaum SL: 202
Teixeira D: 3894
Tejani NA: 3895
Tejani SN: 3895
Telenius-Berg M: 3811
Telloli P: 1143
Temes GP: 989
Tempini S: 861
Teng M: 3936
Teng YS: 3896
Tennenbaum JI: 3897
Tenneson ME: 3898
Tenniswood MP: 3899
Teoh PC: 3900
Teotia M: 3901–3902
Teotia NP: 3902
Teotia SP: 3901–3902
Tephly TR: 4015
Teplov SI: 3903
Ter Haar MB: 1028
Terakawa N: 3904
Terao M: 3905
Terasaki WL: 3906
Terasawa M: 2565
Tercyak A: 3907
Tereschenko V: 257
Teresiak T: 3908
Terlou M: 1402
Terpstra J: 3909
Terqui M: 1863
Terrill RE: 2322
Terris S: 3759
Terroine T: 1418
Tesárek B: 3320
Tesoriero WM: 765
Tessler HH: 958
Testa G: 3910
Testard MC: 2291
Teti G: 2710
Tewari NP: 3823
Thakur MK: 3911
Tharandt L: 970
Thatte M: 3096
Theander G: 3912–3913
Theetranont C: 3914
Thelmo W: 18
Thenot JP: 1705
Theve NO: 4211
Thibier M: 628
Thieblot P: 2446
Thiel G: 496
Thiele OW: 3915
Thiene G: 4052
Thillard MJ: 2667
Thoa NB: 799
Thoben AJ: 3476
Thody AJ: 3082–3083, 3916–3919
Thoenen H: 1370
Thom AF: 3920
Thom M: 3797
Thomas JP: 3921
Thomas K: 3148
Thomas M: 3741
Thomas RR: 448
Thomas-Klugewitz U: 466
Thomeer RT: 2447
Thomes JC: 106
Thompson BD: 1040
Thompson DS: 3922
Thompson EB: 2399
Thompson FN: 3923
Thompson ME: 3924
Thompson WL Jr: 3925
Thompson WR: 4288
Thomsen AC: 191
Thomsen J: 1221
Thomsen JL: 3926
Thomsett MJ: 3927
Thomson AE: 1861–1862
Thomson I: 3826
Thomson PD: 3991
Thorberg SO: 2384
Thorén L: 15
Thornburg W: 3928
Thorne G: 2913
Thorngren KG: 1536–1537
Thorpe A: 1789
Thoumsin HJ: 3929
Thrasher TN: 3930
Thrower S: 4224
Thulin T: 3931
Thurman GB: 2845
Thusoo TK: 3932
Thuy LP: 584, 3933
Tiarks CY: 3069
Tibor B: 3934
Tice R: 3935
Tien-kai Y: 3936
Tiepolo L: 2038
Tietze HU: 3531
Tigri S: 3937
Tiku ML: 3938
Tilders FJ: 3083, 3939–3940
Tillotson D: 3941
Tillson SA: 1732–1733, 3942
Tilney LG: 3943
Tilney M: 3943
Tilson HA: 1952
Timakov VD: 3167
Timin EN: 3156
Timoshenko LV: 3944
Tindall DJ Jr: 2859
Tindall GT: 3945–3946
Tindall RS: 3546
Ting YM: 4191
Tinschert W: 3947
Tirelli F: 2498
Tisdale MJ: 3948
Tisell LE: 3949
Tishchenko NA: 3950
Tissier M: 1458
Titus BC: 3432
Tiutiulkova N: 3951
Tixier-Vidal A: 246
Tjio JH: 3250
Tkachenko LI: 2226
Tkachenko NS: 641
Tkachenko SS: 3952
Tkachishin VV: 510
Toaff ME: 3953
Toaff R: 3953
Todd RB: 3589
Todhunter EN: 3954
Todhunter JA: 3955
Toeda K: 1764
Toffano G: 1476, 2573
Toft DO: 3956
Tohya M: 2695
Toki S: 3858
Tokunaga M: 3957
Tolagen K: 3958
Toledo AC: 3920
Toledo SP: 133–134, 3959
Toledo Medina A: 3377
Toledo-Pereyra LH: 3960
Toljunov IuA: 1423
Tolson N: 4364
Tołwińska Z: 3394
Tomas FM: 2478
Tomasi TB Jr: 3956
Tomasi V: 3961
Tomasini M: 693
Tominaga I: 3962
Tominaga T: 3963
Tomioka H: 2082
Tomioka M: 2746
Tomita A: 2230
Tomlinson RV: 2774
Tomori T: 2949
Tonami N: 3964
Tonini M: 2332
Tonomura Y: 3863
Tonon MC: 4076
Tontoli N: 874
Toogood JH: 3965
Toor HS: 1959
Topper YJ: 1226
Toran-Allerand CD: 3966
Torchiana M: 4077
Tordet C: 2538
Torigai K: 3859
Torizuka K: 1256
Tormey DC: 4125
Tormey WP: 3967
Toropov IuD: 3968
Torras A: 146
Torresani J: 3969
Tortarolo M: 515
Tortorolo G: 3970
Tosar A: 2533
Toshkova S: 2116
Tosi P: 3971
Totaro JA: 715
Toth JE: 2880
Tóth S: 1124
Totrova EA: 3972
Totsuka M: 41, 1032–1035
Touré P: 3937
Touré YI: 992
Tourniaire J: 3353
Touzery C: 1479
Toverud SU: 3973
Towler CM: 1702
Townley ER: 4034
Townsend J: 3011
Townsend SM: 678
Townsley JD: 48, 3085
Toy JL: 3974–3975
Toyama K: 1777
Toyama M: 2739
Toyo-Oka T: 3976
Toyooka K: 3977
Traber MG: 3978
Trachtenberg DI: 3979
Traczyk WZ: 2983
Traeger J: 1003
Träger L: 3947
Tramu G: 3980–3981
Traut H: 711
Tregattini F: 412

Tregear GW: 2759
Trehan S: 2205
Trendelenburg U: 1622
Trenkle A: 3982
Tretevich VI: 3686
Tret'iak AG: 3983
Treves N: 3984
Triantaphyllidis H: 3985
Triche T: 2779
Trimble ER: 140
Trimpi HD: 2591
Triplett EL: 4285
Tripuzov AN: 2516
Trizna W: 1155
Trnovec T: 3986
Trobe JD: 3987
Trobough FE Jr: 20
Trocewicz J: 3028
Troehler U: 393
Troen P: 1723
Trofimova LIa: 3988
Trokel S: 2078
Trokoudes KM: 3989
Trolle D: 1283, 3990
Trompeter RS: 3991
Troncone L: 2558, 3992
Troncoso S: 3993
Tropea A: 828
Troshikhin GV: 3155
Troshikhin VA: 3670
Trostle PK: 2617
Trotter JL: 746
Trovarelli G: 3168
Trovati M: 3005
Troy SS: 2375
Trueworthy RC: 3994
Trufanova LV: 2198
Truitt AJ: 3639
Trunova LA: 1824
Truscott B: 3995
Tryfiates GP: 3628
Tsafriri A: 3996
Tsai AY: 3997
Tsai CT: 2378, 3998
Tsai FY: 2300
Tsai MH: 2427
Tsakok FH: 3248
Tsang RC: 623, 3999
Tsapok PI: 4000
Tschopp L: 600
Tse J: 3624
Tseng L: 3295
Tseng WP: 1722
Tserng KY: 4001
Tseshke G: 2154
Tsibulevskiĭ AIu: 96
Tsikunov SG: 354
Tsochev Ts: 3106
Tsubogo Y: 1944
Tsubokawa M: 4006
Tsubokawa T: 4002
Tsubota N: 4003–4004
Tsuda T: 2994
Tsuei SE: 4005
Tsuji M: 2947
Tsukada W: 4006
Tsurkan AM: 4007
Tsuruhara T: 1005
Tsuruoka T: 4008
Tsyndrenko AIa: 979–980
Tsyrlin VA: 4009
Tsyrlov IB: 4010
Tsyrlova IG: 2145
Tubb DJ: 1299
Tubiana M: 1210
Tuchmann A: 4011
Tuchmann-Duplessis H: 4012
Tucker RM: 4013
Tuimala R: 4014, 4349
Tukey RH: 4015
Tulzer W: 3151
Tümay G: 605
Tume RK: 2873
Tung CS: 3998
Turci M: 45
Turek FW: 4016
Turek R: 3162
Turjman N: 4017
Turk CM: 3809
Turnbull AC: 293, 330, 1994–1995
Turner BI: 455
Turner CK: 1669
Turner DE: 167
Turner JG: 619
Turner L: 1566
Turner MD: 98
Turner SR: 4019
Turova NV: 2181–2182
Turpin G: 883
Turriff DE: 2375
Tusnády G: 813
Twigg CA: 3741
Twiggs DG: 4020
Tyler T: 1337
Tyler TR: 294
Tyndall RL: 4249
Tyson JE: 1724, 3144
Tzivoni D: 2639

U

Uchida K: 822, 3856
Uchino J: 4021–4022
Uchiyama T: 4023
Uddman R: 3811
Udupa KN: 1561
Ueda E: 3905
Ueda I: 2837
Ueda K: 4024
Uehara T: 2221
Ueki K: 4025
Ueland PM: 4026
Ueno K: 3964
Ueno Y: 4027
Uesato T: 906
Uezu A: 1252, 2994
Ugolotti G: 2498
Uherčík D: 2066
Uhl GR: 4028
Uhrmann S: 4029
Ui M: 2208
Ui N: 4354
Ullrich I: 4030
Ultmann JE: 3824
Ulus IH: 3467
Umsawasdi T: 4031
Unai T: 1317
Underwood JC: 2555
Undrovinas AI: 4372
Unger J: 1013
Unger RH: 2820
Uno I: 4032
Unterhalter S: 2750
Uotila P: 1556
Upchurch S: 1074
Upton AC: 4033
Upton LM: 4034
Uraguchi K: 4035
Urano A: 4036
Urban I: 382
Urban J: 331
Urbani AI: 4037
Urbanic RC: 4038
Urist MR: 4039
Urrutia J: 4040
Uskokovic MR: 712
Uspenskiĭ VM: 4041
Usui T: 1651
Usukura N: 3856
Utama J: 1616
Utian WH: 4042
Utiger R: 4029
Utiger RD: 1956
Uvnäs B: 4043
Uyama S: 1792

V

v Lilienfeld-Toal H: 4044
Vaclavinkova V: 385
Vaczó G: 813
Vadlamani NL: 2690
Vaes G: 4045
Vagg MJ: 854
Vágner Z: 1743
Vague J: 4046–4047
Vague P: 4047
Vaidya R: 4048
Vaidya RA: 103–104, 3604, 4049–4051
Vaidyanathan S: 3234
Vaillant R: 4076
Vaitukaitis JL: 47
Vakulin GM: 1761
Valcaccia B: 1024
Valdina EA: 50
Valdivieso M: 265
Vale W: 2764
Valens M: 1050
Valente A: 515
Valente CA: 2376
Valente M: 4052
Valenti G: 4085
Valenza T: 241
Valenzuela E: 3335
Valenzuela L: 540
Valeri CR: 4377
Valinietse MIu: 250
Vallaperta P: 2411
Vallée B: 3469
Vallo A: 3316
valmachino G: 743
van Asperen de Boer FR: 4053
Van Baelen H: 417
van Beurden WM: 4054
van Bogaert LJ: 4055–4056, 4056
van Bree L: 926
Van Calker D: 4057
Vanchadze IK: 3682
van Dam K: 4081
van den Akker J: 3839
van den Beselaar AM: 4058
van den Bosch H: 4058
Vanden Driessche T: 2682
Van Den Hoofdakker RH: 415
van der Haegen BA: 4059
van der Hart M: 4061
Van der Hauwaert LG: 4060
van der Meulen FW: 4061
van der Molen HJ: 1850, 4054
van der Schoot P: 4062
van der Vegt SG: 4063
van der Voort H: 121
VAnderlaan EF: 513
VAnderlaan WP: 513
Vandermoere J: 2395
van Dieten JA: 887
Vandongen R: 4064
Van Doorn E: 492
van Driel MJ: 1850
Vane JR: 2718, 2720
van Eggenpoel MJ: 1664
Vang J: 3654
Vangbo B: 4214
Van Gent CM: 121, 3909
van Giessen RC: 888
Vanhaelen M: 4065
Vanhaelen-Fastré R: 4065
van Haelst U: 4063
van Hall EV: 2437
van Hardeveld C: 4066
Van Herle AJ: 3376
Vanichakarn S: 2308
van Kampen M: 3923
van Loghem JJ: 4061
Van Loon GR: 2138
van Marthens E: 4067
van Munster PJ: 3566
van Nagell JR Jr: 4068
Vanneuville G: 4069
Vannini GL: 4070
Van Parys C: 2394
van Rees GP: 887
van Rietschoten J: 3326
van Rood JJ: 1420
van Royen EA: 4071
Van Sande J: 1013
van Schie MG: 1242
Van't Hoff W: 4072
Van Toledo B: 3520
van Tongeren JH: 4063
van Veen T: 4073
Van Vliet P: 2147
van Vroonhoven TJ: 4074
van Weemen BK: 866
van Wimersma Greidanus TB: 382
Van Winkle WB: 1067
Varanasi U: 18
Vardinon NE: 7

Varga JM: 2340
Vargas CA: 2517
Vargas R: 1116
Varlet P: 1855
Varmus HE: 3301
Varrone S: 2110
Vartanian ME: 4075
Varvařouvská J: 3710
Vasil'eva LA: 529
Vasin MV: 8
Vaskó A: 4384
Vasquez LM: 3204
Vass L: 4128
Vassart G: 855
Vasserman J: 2376
Vaudry H: 4076
Veal JT: 528
Veber DF: 4077
Vecsei P: 1706
Vecsey A: 4367
Vedel M: 4078
Vegelius J: 15
Vegni C: 3031
Velcek FT: 2135
Veldhuis JD: 4079
Veneroni E: 344
Venot A: 696
Ventruto V: 3736
Verboom CN: 926
Verbov J: 4080
Verheij HM: 884
Verheijen JH: 4081
Verhoeven AT: 4063
Verlinskaja DK: 851
Verma BP: 4082
Vermeiden JH: 3271
Vermeulen A: 4083
Vernikos-Danellis J: 4084
Vescovi PP: 4085
Veselková A: 469
Veselovskaia KA: 529
Vesely DL: 4086
Vessey MP: 4087
Vessies JC: 990
Vestermark S: 76
Vetiak OJ: 2344
Vetter H: 3794
Vetter W: 1273
Vetury S: 343
Vezina JL: 4088
Victor A: 1883
Vidal JC: 884
Vidal Carreira J: 896
Vidal Vázquez O: 44
Viehweg B: 3366
Vielhauer W: 1706
Vielitz E: 1322, 2095
Vierikko P: 1847
Vieweg WV: 725
Vigder L: 656
Vigh S: 1173
Vignaud D: 3266
Vignaud J: 1569
Vignon E: 4089
Vignon F: 4090
Vigouroux RA: 414
Vigreux JM: 4091
Vihko R: 1740
Vijande M: 4092
Vijayan E: 4093–4094
Vilanova Trias J: 4095
Vilchez-Martinez J: 113
Vilchez-Martinez JA: 4096
Vilimovská D: 1955
Viljanen BC: 33
Villa A: 693
Villa E: 391
Villa I: 599
Villa S: 2406
Villani F: 4097
Villar Ortiz J: 4098
Villerius L: 3184
Vinarik EM: 4099
Vinceneux P: 4100
Vincent FM: 4101
Vincent JE: 4102–4103
Vincent-Viry M: 2263
Vinci JM: 4104
Vinnitskiĭ VB: 4105
Vinogradov VV: 3790
Vinogradova MF: 4106–4107
Vinson GP: 1367, 4226
Vinyes-M A: 3671
Viola P: 4108
Virkar K: 4049
Virkler M: 4306
Visek WJ: 3508
Vismans J: 3263
Visser M: 3821, 4109
Visser TJ: 3698
Viswanath SG: 4189
Vitale A: 2341
Vitale G: 86
Vitali C: 4110
Vitali M: 2521, 3027
Viveros OH: 1284
Vizi ES: 14
Vladimirov IuA: 2054
Vlodavsky I: 4111
Vodáková L: 971
Vogel A: 4234
Vogel M: 2786
Vogg H: 2583
Vogler WR: 4277
Vogt A: 3608
Vogt H: 1527
Vogt W: 4112
Voight KD: 2171
Voigt KD: 4113
Vojnik M: 198
Völkel N: 1985
Völker W: 4114
Volkov AA: 2102, 4115
Voloschin LM: 1295
Volpe BT: 4116
Volpé R: 4117
Volpi R: 4085
Volynets ES: 4118
von Boehmer H: 4119
von dem Borne AE: 4061
Vongyuthithum M: 107
von Lilienfeld-Toal H: 934
von Mühlendahl KE: 4120
von Restorff W: 4121
von Schoultz B: 826, 1702
Voogt JL: 2349
Voorhees JJ: 4122
Vorob'eva LP: 256
Vose CW: 399, 3770
Voskoboĭnikov GV: 4123
Voss AC: 4124
Votaw ML: 2370
Voutilainen A: 3209
Voyles BA: 2473
Voyles NR: 324
Vreeburg JT: 1
Vucskits A: 266
Vucusa C: 3473
Vulic D: 978
Vunakis HV: 3289
Vyas GP: 3207
Výboh P: 1916

W

Waalkes TP: 4125
Wachsman M: 251
Wachtel TJ: 2282
Wada A: 2143
Wade TR: 4126
Wade-Evans T: 3797
Wadskov S: 4127
Wager J: 4128
Wagner H: 1711–1712, 4206
Wagner J: 4129
Wahner HW: 81, 1412
Waisman DM: 4130
Waisman J: 3376
Waite LC: 4131
Waite M: 3030
Waites GM: 4150
Wajchenberg BL: 10, 2328, 4132
Wajntal A: 1068
Wakabayashi I: 4133
Wakamatsu E: 3957
Wakamatsu H: 4134
Wake N: 3842
Wakerley JB: 4135
Waldmann TA: 1856
Waldmeier PC: 4136–4137
Waldron IL: 4138
Wale L: 4139
Walfish PG: 3331, 3989
Walinder O: 166
Waliszewski W: 4307
Walkenbach RJ: 2277
Walker DG: 4140
Walker RF: 4141
Wallace CK: 536
Wallace JM: 1993
Wallace RW: 645, 4142
Wallace S: 1897
Wallach D: 4143–4144, 4144
Wallach RC: 493
Wallentin L: 2280
Wallgren EI: 4145
Walliford BW: 428
Wallukat G: 1967
Walpole AL: 1024
Walsh GM: 678
Walsh PC: 3233, 4146
Waltenbaugh AM: 4147
Walter R: 2330, 2627
Walter U: 592
Walters DE: 1200–1201
Walters E: 2905
Walterspiel JN: 4148
Waltman AC: 138
Walton B: 4149
Walton JS: 4150
Wamsley JK: 347
Wang JH: 4130
Wang T: 4151
Wang TP: 1316, 4197
Wanibe H: 126, 2694, 2893, 3859, 4152
Waniewski E: 4173–4175
Wapnick S: 2036
Warbanow B: 3431
Warberg J: 2963, 4153
Warburg M: 76
Ward GM: 294
Ward H: 4154
Ward MJ: 4155
Ward RC: 4156
Ward RL: 3517
Ward WF: 4157
Wardle EN: 4158
Ware BR: 3638
Wark JD: 4159
Warner GT: 1950
Warnkross H: 1369
Warr GW: 3685
Warren DW: 4160
Warren R: 2399
Warrier NV: 1936
Wartofsky L: 522, 3688
Warweg U: 2129
Wasanda T: 1763
Washburn TB: 522
Wasilewska E: 2919
Wasunna AO: 2951
Wasylewski A: 653, 1719, 4161
Wasyluk H: 2892
Watanabe AM: 426
Watanabe H: 2946, 3848
Watanabe I: 3451
Watanabe K: 1662, 1768, 1777, 2947, 4162
Watanabe M: 1937, 1970
Watanabe Y: 2922
Waterhouse JM: 2679
Waters AK: 4163
Watkins BE: 4164
Watkins CJ: 36
Watkins HE: 1299
Watkins WB: 4165
Watson J: 3633
Watson SJ: 4166
Watson T: 778
Watt DS: 149
Watts PD: 2124
Waxman M: 4167
Waymouth C: 4168
Wayner MJ: 614, 1952
Wazna MF: 4169
Weaver DD: 1077
Webb BW: 4170
Webb RC: 322
Webb SC: 2692
Weber A: 2632

AUTHOR INDEX

Weber B: 2786
Weber CH Jr: 482
Weber CW: 879
Weber H: 2056
Weber JL: 1434
Weber W: 1016
Webster WR: 4171
Wecksler WR: 1620
Wedell J: 312
Weeke A: 4172
Weeke J: 2179, 4172
Weeks CM: 996
Węgiel J: 4173–4175
Wei E: 1684
Weibrecht WU: 2992
Weichsel ME Jr: 4176
Weick J: 54
Weidemann MJ: 4177
Weidmann P: 3276
Weigand DA: 4178
Weil R: 2381
Weill A: 4179
Wein AJ: 1441
Weinberg J: 4180
Weindl A: 4181
Weiner E: 1883
Weiner N: 4182
Weinreb S: 3724
Weinshilboum RM: 4013
Weinstein BI: 3721
Weinstock M: 4183
Weirich EG: 4184
Weisbecker VL: 4185
Weisberg SC: 4186
Weiser H: 4187
Weisfeldt ML: 1241
Weismann K: 1597
Weiss A: 835
Weiss B: 1439, 2350, 4188
Weiss C: 1747
Weiss EB: 4189–4190
Weiss JJ: 4191
Weiss JM: 171
Weiss RB: 4192
Weiss RR: 3895
Weiss-Simon C: 2662
Weissbach H: 3955
Weissbach L: 165
Weissenberg R: 3801
Weissman BA: 4193
Weisz J: 4252
Weisz-Carrington P: 4194
Weitzman SA: 4195
Welbourn RB: 4018, 4196
Welch KM: 1316, 3679–3680, 4197
Welch RA: 4198
Welch WJ: 2134
Wellby ML: 2306
Weller M: 4199
Welling PG: 530
Wells SA Jr: 3602, 4200
Welschen R: 1515
Welscher HD: 4201
Wemeau JL: 920, 2393–2394
Wendt H: 1747
Wengeler H: 1460
Weniger JP: 669
Wentz AC: 4202
Wenzloff DR: 1447
Werber MM: 4203
Wergien G: 2101
Werkman RF: 3477
Werner B: 4204
Werner U: 4205
Werre JM: 4063
Werulik B: 2983
Wessels F: 466, 1711, 4206–4207
Wessels MR: 4208
West L: 761
Westberg G: 143–144, 672
Westbroek DL: 1857
Westbury HA: 4209–4210
Westerberg H: 4211
Westfall TC: 821
Westhead EW: 3638
Weston WL: 2913
Westphal U: 353, 534, 4212–4213
Westwood WB: 2012
Wetterberg L: 4214
Wetterlin S: 4215
Weuta H: 4216
Wexler BC: 4217–4222, 4220
Whalen RE: 3283
Whang KS: 4221
Wharton LR Jr: 251
Wheeler GL: 343
Whipple GH: 3118
Whitaker SV: 3317
Whitcomb ME: 966
White AM: 4222
White BJ: 4223
White DA: 3443
White FJ: 2191
White GW: 428
White HA: 751
White JO: 4224
White LA: 1332
White RH: 4275
Whitehead RG: 4225
Whitehouse BJ: 1367, 4226
Whitelaw A: 4227
Whiteside LA: 4228
Whitfield JF: 2490
Whitley R: 1361
Whitlock C: 3525
Whitson GL: 631
Whittaker JS: 1566
Whitton PD: 1615
Whybrew WD: 2754
Whyley GA: 4154
Wibell L: 166
Wick G: 3489
Wick MM: 4229
Wickes MA: 3668
Wickham WG: 2416
Wickings EJ: 4230
Wicks JH: 2185
Wicks WD: 4231–4232, 4232
Widder W: 4233
Wide L: 15
Wieczorek V: 2072
Wiedmer-Bridel J: 4234
Wiegelmann W: 3514
Wielosz M: 2059
Wiemer W: 1598
Wiernik PH: 4235
Wiesel FA: 4236
Wiesławska M: 4237
Wiggins HS: 806
Wiggins JF: 36
Wiggins R: 4238
Wightman TM: 3746
Wigle DT: 4239
Wigley CB: 4240
Wikberg JE: 4241
Wilcox JW: 4242
Wilde CC: 1650
Wilds PL: 4243
Wildt DE: 4244
Wilkinson M: 1624, 4245
Wilkinson SP: 4246–4248, 4247–4248
Wilkis JL: 4386
Will H: 4290
Willaert E: 4249
Willard D: 4250
Willeberg PW: 3294
Williams BJ: 4251
Williams CL: 2903
Williams G: 1896
Williams GH: 676, 4252
Williams GW: 3757, 4253
Williams IP: 4254
Williams JA: 3538
Williams JL: 4255
Williams LF: 1983
Williams LT: 2313
Williams MC: 1611
Williams ME: 1202
Williams MT: 4256
Williams R: 861, 4246–4248, 4247–4248
Williams RH: 1833
Williams S: 2550
Williams TA: 4257
Williams TH: 347
Williamson RC: 4258–4259
Willig RP: 4260
Willingham M: 4144
Willoughby JO: 4261
Wills MR: 2417
Wilson AF: 1874–1875
Wilson CA: 1624
Wilson CB: 4262
Wilson DR: 3218, 4263
Wilson DW: 1089
Wilson JD: 1331
Wilson JX: 535
Wilson KS: 4264
Wilson L: 4265
Wilson MW: 2674
Wilson NC: 4266
Wilson PA: 4267
Wilson PW: 2290
Wilson R: 4268
Wilson RE: 2991
Wilson S: 1354
Wilson SC: 4269
Wilson SR: 563
Wimalasena J: 4232
Wimpfheimer C: 830
Winaver J: 4270
Windler G: 3935
Windorfer A: 4271
Winearls CG: 4272
Winegrad AI: 4273
Wingerd J: 431
Winget CM: 3412
Winning T: 132
Winslow JR: 1996
Winsnes R: 1527
Winsor EJ: 4274
Winter J: 885
Winter JS: 403
Winter M: 3643
Winterborn MH: 4275
Winters SJ: 4276
Winters WD: 1349
Winton EF: 4277
Wintour EM: 483
Wirtz SK: 454
Wise A: 4278
Wise BL: 1298
Wise L: 4169
Wiseman A: 4279
Wisgerhof M: 486, 4280
Wisner JR Jr: 4281
Wisneski LA: 3647
Withers HR: 2617
Witkiewicz W: 962
Witkowski JA: 3032
Witkowski R: 4282
Witmer R: 4283
Wittbrodt S: 4284
Wittenberg C: 4285
Wittman W: 353
Wittmann T: 955
Wittwer FG: 4286
Witzgall H: 4382
Wocial B: 4287
Woelk H: 3168
Woerner S: 3591
Woldring MG: 3184
Wolf AS: 2803
Wolf J: 769
Wolf U: 4385
Wolfe BB: 2716, 4232
Wolfe BI: 1546
Wolff DJ: 481
Wolff J: 1646
Wolff JR: 1486–1487
Wolff SM: 1306
Wolfman NM: 4288
Wolfsdorf JI: 4289
Wolfson A: 4016
Wolin DA: 3332
Wollenberger A: 1967, 4290
Wolley RC: 2626
Wolter R: 890
Wong CC: 658
Wong DL: 687
Wong EG: 719
Wong GL: 730
Wong JC: 626
Wong P: 4291
Wong PY: 145, 4292
Wong RT: 1884
Wonnacott S: 4293
Woo KB: 4125
Wood JB: 514
Wood JG: 3684
Wood JR: 4294

Wood RA: 4295
Woodage TJ: 633
Woodard HQ: 3984
Woodard JR: 4296
Woodcock EA: 4297
Woodhead JS: 737
Woodman DD: 4298
Woodruff GN: 858
Woodruff JD: 4299
Woods HF: 1436
Woods LF: 4279
Woolf PD: 4300
Woolfenden JM: 46
Woolley MM: 514
Woolner LB: 1412
Woolnough H: 2147
Wootton R: 3263, 4301
Worley RJ: 1097
Worsley IG: 1115
Worton RG: 4302
Wortzman G: 1163
Wozniak DB: 708
Woźniewicz B: 608
Wrange O: 4211
Wrathall AE: 3052
Wren A: 547
Wren BG: 4303
Wrenn JM: 4304
Wrężlewicz W: 3829
Wright A: 2480
Wright FD: 522
Wright GS: 3889
Wright JJ: 1213
Wright K: 4305–4306
Wrogemann K: 4177
Wróż M: 4307
Wu J: 2479
Wu R: 4308
Wuchter J: 4309
Wuitz B: 2068
Wünnenberg W: 4310
Wurm A: 2194
Würstlin S: 1973
Wurtman RJ: 36, 3467
Wurzner HP: 23
Wuttke W: 252
Wuytack F: 4311
Wyatt RJ: 1072, 2628
Wyborny LE: 4312
Wynder EL: 4313
Wyre HW Jr: 4314
Wyrzykowski B: 2335
Wywicka W: 4315

Y

Yabe Y: 4316
Yachiku S: 1772, 4317
Yada K: 2937
Yaffe C: 2352
Yagasaki S: 1268, 4318
Yaguchi S: 2937
Yahagi T: 3560
Yalow RS: 4320, 4322–4323
Yamabe H: 1648
Yamada M: 2221, 4342
Yamada T: 1778
Yamada Y: 4008
Yamagami K: 3405
Yamagami S: 4324
Yamagata J: 1792
Yamaguchi N: 4325
Yamaki T: 1648, 2739
Yamamoto I: 3856
Yamamoto K: 2701
Yamamoto KR: 3300–3301, 3739
Yamamoto M: 4326–4327
Yamamoto S: 4328
Yamamoto T: 4329–4330
Yamamoto Y: 4331
Yamamura Y: 2829
Yamano T: 2743, 4332–4333
Yamanouchi H: 1948
Yamarat P: 107
Yamashita K: 3844
Yamashita M: 4334
Yamashita S: 1987
Yamashita T: 4335
Yamauchi K: 2893
Yamauchi T: 4336
Yamazaki H: 3385
Yamazaki T: 2217, 3860
Yamazoi A: 651
Yanagi Y: 4337
Yanagisawa K: 2696
Yanai R: 2811–2812
Yanaihara N: 1484, 3157, 3480, 3810, 4321, 4338
Yang HY: 1356
Yang J: 2796
Yano S: 2829
Yao JK: 4339
Yapo EA: 4340
Yardley JH: 1755
Yashon D: 4341
Yasuda H: 4342
Yasuda N: 4343
Yasujima M: 650
Yasumura M: 2950
Yasuura K: 4344
Yates CM: 2480
Yates JO: 1025, 1028
Yatvin MB: 4345
Yau AC: 2425
Yeh HS: 3721
Yeh Y: 4346
Yeo PP: 4347
Yeo TH: 2926
Yepez C: 2843–2844
Yesberg NE: 4348
Yeung CH: 145
Yin TH: 2378, 3998
Ylikorkala O: 2048, 4349
Yodaiken RE: 4350
Yoder FW: 495
Yodono M: 4351
Yokota J: 3805
Yokoyama K: 4352–4353
Yora T: 4354
Yoselevski G: 1245
Yoshi S: 3860
Yoshida I: 1809, 4355
Yoshida J: 1922–1923, 2085
Yoshida K: 4356
Yoshida N: 3876, 4357
Yoshida O: 2104
Yoshida T: 906
Yoshii E: 2186
Yoshikawa M: 2949
Yoshikawa T: 2937
Yoshimi H: 1659
Yoshimine K: 3408
Yoshimoto S: 1930
Yoshimura M: 1570
Yoshimura T: 1776
Yoshinaga K: 650, 2082
Yoshioka H: 2743
Yoshioka M: 1809, 1811
Yoshiyama N: 4358
Yoshizawa I: 4359
Yosizawa Z: 3957
Yotsumoto H: 2665
Young GB: 4360
Young IM: 3645
Young JB: 2264
Young JR: 642
Young LW: 4361
Young M: 4362
Young T: 1736
Youngblood W: 2049
Younge D: 1203
Younglai EV: 4363
Youngquist RS: 2015
Youson JH: 535
Yovich J: 781
Yu DT: 3462
Yu MW: 4364
Yudkowsky EB: 4365
Yust IC: 7

Z

Zaatar S: 1143
Zaborszky L: 3494
Zabransky S: 4366
Zachmann M: 386, 3238
Zahlten W: 2072
Zahnd GR: 4367
Zahradnik HP: 449
Zain BK: 162
Zaĭtsev VM: 2102
Zaĭtsev VN: 4368
Zaizov R: 4369
Zając W: 4370
Zakaras AP: 2531
Zakarija M: 2483, 4371
Zakharov SI: 4372
Zakharova AP: 3022
Zakhour HD: 2548
Zakirov EKh: 4373
Zaldivar HM: 3575
Zalizniak VA: 1435
Zamboni R: 3152
Zamecnik J: 609
Zañartu J: 1250, 3144
Zanelli GD: 3263
Zanelli JM: 618, 3040
Zanen A: 4374
Zaneveld LJ: 4375
Zaninović I: 509
Zárate A: 1141, 4376
Zarembskiĭ RA: 1822
Zarnow H: 3546
Zaroulis CG: 4377
Zarrilli L: 4378
Zarudin VV: 4379
Zattoni F: 3075
Zatz JL: 3579
Zatz M: 2269
Zava DT: 2475
Závada M: 960, 2784
Zavadil AP: 4183
Zavodskaia IS: 4380
Zawirska B: 3829
Zazgornik J: 2123
Zborzil J: 2494
Zbranca-Toporaş E: 4381
Zdanowicz VS: 1447
Zech P: 1003
Zehner J: 4382
Zeigel RF: 2523
Zeiler R: 1327
Zeis A: 669
Zelen M: 2151
Zelinskiĭ BA: 4383
Zelles T: 4384
Zellweger U: 386
Zeman FJ: 1137
Zemlicka J: 480
Zenser TV: 1625
Zenzes MT: 4385
Zerbib C: 3247
Zerner J: 4386
Zetterholm R: 4387–4390
Zgliczyński S: 3201
Zhuravkin IN: 2145
Zibel MJ: 251
Zibetti G: 3434
Ziegelitz D: 4391
Ziegler B: 2727
Ziegler JL: 3601
Ziegler WH: 3173
Zieleniewski J: 4392
Zielske F: 4393
Zihlman AL: 4394
Zijlstra FJ: 4102–4103
Zilahi B: 3143
Ziliotto Júnior A: 4395
Ziman IF: 4007
Zimmerman A: 1686
Zimmerman EA: 1876, 3650
Zimmerman MB: 351
Zimmerman RR: 4396
Zimniak P: 4397
Zimprich H: 3151
Zinder O: 4398
Zingraff J: 992
Zink P: 4399
Zinkham WH: 4400
Zinkovskiĭ VV: 3311
Ziparo V: 644
Zipf WB: 4401
Ziter FA: 3548
Zižka J: 4402–4403
Zöbisch H: 3518
Zoev MI: 272
Zöllig K: 1974
Zolotov NN: 2980
Zopf DA: 3690

Zoppu A: 4404
Zozulia IuA: 4405
Zsotér TT: 1386
Zuber H: 4406
Zubke W: 711
Zucas SM: 800
Zucker I: 2745
Zucker K: 436
Zucker R: 4407
Zudina OA: 3634
Zuev VA: 3167
Zuffardi O: 2038
Zuliani U: 2498
Zus' BA: 90
Zusman RM: 4104, 4408
Zvara V: 3279
Zwart P: 2970
Zweibaum A: 2239
Zweifler A: 1080
Zwierzchowski L: 663–664
Zwiller J: 4409

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